

STP 9-35M13-SM-TG

**Soldier's Manual/Trainers
Guide, MOS 35M, Radar
Repairer**

DECEMBER 2002

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

**HEADQUARTERS
DEPARTMENT OF THE ARMY**

SOLDIER TRAINING
PUBLICATION
No. 9-35M13-SM-TG

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 23 December 2002

SOLDIER'S MANUAL and TRAINER'S GUIDE

MOS 35M

Radar Repairer

Skill Levels 1, 2 and 3

TABLE OF CONTENTS

	<u>PAGE</u>
Table of Contents	ii
PREFACE	viii
Chapter 1. Introduction	1-1
Chapter 2. Trainer's Guide	2-1
2-1. General	2-1
2-2. Subject Area Codes	2-3
2-3. Duty Position Training Requirements.....	2-4
2-4. Critical Tasks List	2-5
Chapter 3. MOS/Skill Level Tasks	3-1

*DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

vel 1

Subject Area 1: Intermediate Maintenance AN/TPQ-36 or AN/TPQ-37 Radar Sets

093-35M-1000	Troubleshoot The Computer/Peripheral Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	3-1
093-35M-1001	Repair The Computer/Peripheral Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set.....	3-3
093-35M-1002	Troubleshoot The Weapons Location Unit (WLU)/TACFIRE Interface Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	3-4
093-35M-1003	Repair The Weapons Location Unit (WLU)/TACFIRE Interface Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set.....	3-6
093-35M-1004	Troubleshoot The Synchronizer Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set.....	3-8
093-35M-1005	Repair The Synchronizer Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set.....	3-10
093-35M-1006	Troubleshoot The Radar Buffers Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set.....	3-12
093-35M-1007	Repair The Radar Buffers Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set.....	3-14
093-35M-1008	Troubleshoot The Video Processor Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	3-15
093-35M-1009	Repair The Video Processor Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set.....	3-17
093-35M-1010	Troubleshoot The B-Scope Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set.....	3-18
093-35M-1011	Repair The B-Scope Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	3-20

Subject Area 2: Intermediate Maintenance AN/TPQ-36 Radar Set

093-35M-1100	Troubleshoot The System Power Function Of The AN/TPQ-36 Radar Set	3-21
093-35M-1101	Repair The System Power Function Of The AN/TPQ-36 Radar Set.....	3-22
093-35M-1102	Troubleshoot The Trailer Control Function Of The AN/TPQ-36 Radar Set	3-23
093-35M-1103	Repair The Trailer Control Function Of The AN/TPQ-36 Radar Set.....	3-24
093-35M-1104	Troubleshoot The Exciter System Clock Function Of The AN/TPQ-36 Radar Set.....	3-25
093-35M-1105	Repair The Exciter System Clock Function Of The AN/TPQ-36 Radar Set.....	3-26
093-35M-1106	Troubleshoot The Transmitter Function Of The AN/TPQ-36 Radar Set.....	3-27
093-35M-1107	Repair The Transmitter Function Of The AN/TPQ-36 Radar Set.....	3-28
093-35M-1108	Troubleshoot The Beam Steering Unit Function Of The AN/TPQ-36 Radar Set.....	3-29
093-35M-1109	Repair The Beam Steering Unit Function Of The AN/TPQ-36 Radar Set	3-30
093-35M-1110	Troubleshoot The Antenna Positioning Function Of The AN/TPQ-36 Radar Set.....	3-31
093-35M-1111	Repair The Antenna Positioning Function Of The AN/TPQ-36 Radar Set.....	3-32
093-35M-1112	Troubleshoot The Receiver Function Of The AN/TPQ-36 Radar Set.....	3-33
093-35M-1113	Repair The Receiver Function Of The AN/TPQ-36 Radar Set.....	3-34
093-35M-1114	Perform Preventive Maintenance Checks And Services (PMCS) On The AN/TPQ-36 Radar.....	3-35

Subject Area 3: Intermediate Maintenance AN/TPQ-37 Radar Set

093-35M-1200	Troubleshoot The System Power Function Of The AN/TPQ-37 Radar Set	3-37
093-35M-1201	Repair The System Power Function Of The AN/TPQ-37 Radar Set.....	3-38
093-35M-1202	Troubleshoot The Trailer Control Function Of The AN/TPQ-37 Radar Set	3-39
093-35M-1203	Repair The Trailer Control Function Of The AN/TPQ-37 Radar Set.....	3-40

093-35M-1204	Troubleshoot The Exciter System Clock Function Of The AN/TPQ-37 Radar Set.....	3-41
093-35M-1205	Repair The Exciter System Clock Function Of The AN/TPQ-37 Radar Set.....	3-42
093-35M-1206	Troubleshoot The Transmitter Function Of The AN/TPQ-37 Radar Set.....	3-43
093-35M-1207	Repair The Transmitter Function Of The AN/TPQ-37 Radar Set.....	3-44
093-35M-1208	Troubleshoot The Beam Steering Unit Function Of The AN/TPQ-37 Radar Set.....	3-45
093-35M-1209	Repair The Beam Steering Unit Function Of The AN/TPQ-37 Radar Set.....	3-46
093-35M-1210	Troubleshoot The Antenna Positioning Function Of The AN/TPQ-37 Radar Set.....	3-47
093-35M-1211	Repair The Antenna Positioning Function Of The AN/TPQ-37 Radar Set.....	3-48
093-35M-1212	Troubleshoot The Receiver Function Of The AN/TPQ-37 Radar Set.....	3-49
093-35M-1213	Repair The Receiver Function Of The AN/TPQ-37 Radar Set.....	3-50
093-35M-1214	Perform Preventive Maintenance Checks And Services (PMCS) On The AN/TPQ-37 Radar.....	3-51
Subject Area 4: Intermediate Maintenance AN/TPQ-36V-8		
093-35M-1300	Troubleshoot The System Power Function Of The AN/TPQ-36(V)8 Shelter.....	3-52
093-35M-1301	Repair The System Power Function Of The AN/TPQ-36(V)8 Shelter.....	3-54
093-35M-1302	Troubleshoot The Communications System Function Of The AN/TPQ-36(V)8 Shelter.....	3-56
093-35M-1303	Repair The Communications System Function Of The AN/TPQ-36(V)8 Shelter.....	3-58
093-35M-1304	Troubleshoot The LCU/Peripheral Function Of The AN/TPQ-36(V)8 Shelter.....	3-60
093-35M-1305	Repair The LCU/Peripheral Function Of The AN/TPQ-36(V)8 Shelter.....	3-61
093-35M-1306	Troubleshoot The Radar Processor Function Of The AN/TPQ-36(V)8 Shelter.....	3-62
093-35M-1307	Repair The Radar Processor Function Of The AN/TPQ-36(V)8 Shelter.....	3-63
093-35M-1308	Troubleshoot The Light Control Panel Function Of The AN/TPQ-36(V)8 Shelter.....	3-64
093-35M-1309	Repair The Light Control Panel Function Of The AN/TPQ-36(V)8 Shelter.....	3-65
093-35M-1310	Troubleshoot The Shelter Control Panel Function Of The AN/TPQ-36(V)8 Shelter.....	3-66
093-35M-1311	Repair The Shelter Control Panel Function Of The AN/TPQ-36(V)8 Shelter.....	3-67
093-35M-1312	Troubleshoot The Control Display Terminal (CDT) Function Of The AN/TPQ-36(V)8 Shelter.....	3-68
093-35M-1313	Repair The Control Display Terminal (CDT) Function Of The AN/TPQ-36(V)8 Shelter.....	3-69
093-35M-1314	Perform Preventive Maintenance Checks And Services (PMCS) On The AN/TPQ-36(V)8 Shelter.....	3-70
Subject Area 5: Intermediate Maintenance AN/TPQ-64		
093-35M-1400	Troubleshoot The Radar Control Terminal (RCT)/Mass Storage Device Function Of The AN/MPQ-64 Sentinel.....	3-72
093-35M-1401	Repair The Radar Control Terminal (RCT)/Mass Storage Device Function Of The AN/MPQ-64 Sentinel.....	3-73
093-35M-1402	Troubleshoot The Signal/Data Processor Function Of The AN/MPQ-64 Sentinel.....	3-74
093-35M-1403	Repair The Signal/Data Processor Function Of The AN/MPQ-64 Sentinel.....	3-75
093-35M-1404	Troubleshoot The System Power Function Of The AN/MPQ-64 Sentinel.....	3-76
093-35M-1405	Repair The System Power Function Of The AN/MPQ-64 Sentinel.....	3-77
093-35M-1406	Troubleshoot The Exciter/Clock Function Of The AN/MPQ-64 Sentinel.....	3-78

093-35M-1407	Repair The Exciter/Clock Function Of The AN/MPQ-64 Sentinel	3-79
093-35M-1408	Troubleshoot The Transmitter Function Of The AN/MPQ-64 Sentinel	3-80
093-35M-1409	Repair The Transmitter Function Of The AN/MPQ-64 Sentinel	3-81
093-35M-1410	Troubleshoot The Beam Steering Unit (BSU)/Antenna Function Of The AN/MPQ-64 Sentinel	3-82
093-35M-1411	Repair The Beam Steering Unit (BSU)/Antenna Function Of The AN/MPQ-64 Sentinel	3-83
093-35M-1412	Troubleshoot The Antenna Positioning Function Of The AN/MPQ-64 Sentinel	3-84
093-35M-1413	Repair The Antenna Positioning Function Of The AN/MPQ-64 Sentinel	3-85
093-35M-1414	Troubleshoot The Receiver Function Of The AN/MPQ-64 Sentinel	3-86
093-35M-1415	Repair The Receiver Function Of The AN/MPQ-64 Sentinel	3-87
093-35M-1416	Troubleshoot The Identification Friend Or Foe (IFF) Function Of The AN/MPQ-64 Sentinel	3-88
093-35M-1417	Repair The Identification Friend Or Foe (IFF) Function Of The AN/MPQ-64 Sentinel	3-89
093-35M-1418	Perform Preventive Maintenance Checks And Services (PMCS) On The AN/MPQ-64 Sentinel	3-90

Subject Area 6: Intermediate Maintenance AN/PPS-5

093-35M-1500	Troubleshoot The Power System Of Radar Set AN/PPS-5	3-91
093-35M-1501	Align The Power System Of Radar Set AN/PPS-5	3-92
093-35M-1502	Repair The Power System Of Radar Set AN/PPS-5	3-93
093-35M-1503	Troubleshoot The Transmitter System Of Radar Set AN/PPS-5	3-94
093-35M-1504	Align The Transmitter System Of Radar Set AN/PPS-5	3-95
093-35M-1505	Repair The Transmitter System Of Radar Set AN/PPS-5	3-96
093-35M-1506	Troubleshoot The Receiver System Of Radar Set AN/PPS-5	3-97
093-35M-1507	Align The Receiver System Of Radar Set AN/PPS-5	3-98
093-35M-1508	Repair The Receiver System Of Radar Set AN/PPS-5	3-99
093-35M-1509	Troubleshoot The Range Finding System Of Radar Set AN/PPS-5	3-100
093-35M-1510	Align The Range Finding System Of Radar Set AN/PPS-5	3-101
093-35M-1511	Repair The Range Finding System Of Radar Set AN/PPS-5	3-102
093-35M-1512	Troubleshoot The Target Indication System Of Radar Set AN/PPS-5	3-103
093-35M-1513	Repair The Target Indication System Of Radar Set AN/PPS-5	3-104
093-35M-1514	Align The Target Indication System Of Radar Set AN/PPS-5	3-105
093-35M-1515	Troubleshoot The Antenna Positioning System Of Radar Set AN/PPS-5	3-106
093-35M-1516	Repair The Antenna Positioning System Of Radar Set AN/PPS-5	3-107
093-35M-1517	Align The Antenna Positioning System Of Radar Set AN/PPS-5	3-108

Subject Area 7: Intermediate Maintenance AN/PPS-15

093-35M-1600	Align The Transmitting Sub-System Of Radar Set AN/PPS-15	3-109
093-35M-1601	Troubleshoot The Indicating Sub-System (Control Indicator) Of Radar Set AN/PPS-15	3-110
093-35M-1602	Repair The Indicating Sub-System (Control Indicator) Of Radar Set AN/PPS-15	3-111

Subject Area 8: Intermediate Maintenance M-90, M93, and M-94

093-35M-1700	Troubleshoot The Data Unit Assembly Of Radar Set M-90	3-112
093-35M-1701	Repair The Data Unit Assembly Of Radar Set M-90	3-113
093-35M-1702	Troubleshoot The System Test Unit Of Radar Set M-90	3-114
093-35M-1703	Repair The System Test Unit Of Radar Set M-90	3-115

093-35M-1704 Troubleshoot The Cable Assemblies Of Radar Set M-90 3-116
 093-35M-1705 Repair The Cable Assemblies Of Radar Set M-90..... 3-117
 093-35M-1706 Troubleshoot The CPDU Assembly Of Muzzle Velocity Radar Sets M-93
 And M-94..... 3-118
 093-35M-1707 Repair The CPDU Assembly Of Muzzle Velocity Radar Sets M-93 And M-
 94 3-119

Subject Area 9: Intermediate Maintenance REMBASS

093-35M-1800 Troubleshoot The REMBASS Set 3-120
 093-35M-1801 Repair The REMBASS Set..... 3-121

Subject Area 10: Intermediate Maintenance AN/TRS-2 PEWS

093-35M-1802 Troubleshoot the Platoon Early Warning System (PEWS) 3-122
 093-35M-1803 Repair the Platoon Early Warning System (PEWS)..... 3-123

Subject Area 11: Intermediate Maintenance AN/TMQ-41

093-35M-1900 Troubleshoot The Power Control Unit Of The AN/TMQ-41 3-124
 093-35M-1901 Repair The Power Control Unit Of The AN/TMQ-41 3-125
 093-35M-1902 Troubleshoot The Power Entry Assembly Of The AN/TMQ-41..... 3-126
 093-35M-1903 Repair The Power Entry Assembly Of The AN/TMQ-41 3-127
 093-35M-1904 Troubleshoot The Signal Entry Box Of The AN/TMQ-41 3-128
 093-35M-1905 Repair The Signal Entry Box Of The AN/TMQ-41 3-129
 093-35M-1906 Troubleshoot The Signal Data Converter Of The AN/TMQ-41 3-130
 093-35M-1907 Repair The Signal Data Converter Of The AN/TMQ-41 3-131
 093-35M-1908 Troubleshoot The Marwin Processor Of The AN/TMQ-41 3-132
 093-35M-1909 Repair The Marwin Processor Of The AN/TMQ-41 3-133

Skill Level 3

Subject Area 12: Maintenance Operations

093-SSG-3004 Submit a Quality Deficiency Report (QDR)..... 3-134
 093-SSG-3005 Submit Equipment Improvement Recommendation (EIR)..... 3-136
 093-SSG-3006 Plan Work Flow 3-138
 093-SSG-3007 Direct Performance of Preventive Maintenance 3-139
 093-SSG-3008 Provide Technical Assistance to Repairers 3-141
 093-SSG-3009 Perform Initial Inspections..... 3-142
 093-SSG-3010 Perform Final Inspections 3-143
 093-SSG-3012 Perform In-Process Inspection..... 3-144

Subject Area 13: Maintenance Management I

093-SSG-3001 Inspect Section/Shop Safety 3-145
 093-SSG-3002 Manage Section/Shop Security..... 3-147
 093-SSG-3003 Maintain Section/Shop Calibration Program..... 3-148
 093-SSG-3011 Write a Standing Operating Procedure (SOP)..... 3-150
 093-SSG-3013 Maintain Property Accountability..... 3-152
 093-SSG-3014 Assess Battlefield Damage 3-153
 093-SSG-3015 Manage Demand Supported Repair Parts Listed on the Prescribed Load
 List (PLL)..... 3-155
 093-SSG-3016 Monitor Bench Stock Operations 3-157
 093-SSG-3017 Monitor Shop Stock Operations 3-158
 093-SSG-3019 Inspect Maintenance Support Team Operations 3-159
 093-SSG-3020 Inspect Maintenance Reporting and Management Data 3-160
 093-SSG-3021 Review SAMS-1 Reports 3-162

APPENDIX A A-1
APPENDIX B B-1
Glossary Glossary-1
Supporting References..... References-1

PREFACE

This soldier training publication (STP) is intended for soldiers holding MOS 35M, Skill Levels 1, 2, and 3, their supervisors, trainers, and commanders. It contains a MOS Training Plan that provides information needed to plan, conduct, and evaluate unit training, which is one of the most important jobs of military leaders. It includes standardized training objectives in the form of task summaries that can be used to train and evaluate soldiers on critical tasks that supporting unit missions during wartime.

Soldiers holding MOS 35M should have access to this publication. Trainers and first-line supervisors should actively plan for soldiers' access, making it available in work areas, unit learning centers, and unit libraries. However, it is not intended for an individual copy to be provided to each MOS holder. The STP is obtainable on line from the Reimer Digital Library (RDL) on the Internet at <http://www.adtdl.army.mil/atdls.htm>.

Tasks in this manual are apply to both Active and Reserve Component soldiers.

The proponent of this publication is HQ TRADOC. Submit comments and recommendations on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to: Department of the Army, Training Directorate, Ordnance Training Division, ATTN: ATCL-AO, 401 First Street, Suite 225, Fort Lee, VA 23801-1511.

Unless this publication states otherwise, masculine nouns and pronouns do not refer exclusively to men.

CHAPTER 1

Introduction

1-1. General. This soldier training publication (STP) identifies individual MOS training requirements for soldiers holding MOS 35M. Commanders, trainers, and soldiers should use it to plan, conduct, and evaluate individual training in units. The STP is the primary MOS reference for supporting self-development, evaluating MOS proficiency, and training of 35M soldiers. Commanders employ two primary methods to evaluate soldiers' proficiency:

- Commander's evaluation. Commander's evaluations are local tests or assessments of soldiers' performance of MOS-specific and common tasks critical to the unit mission. They may be conducted year-round.
- Common task test (CTT). CTTs are hands-on tests used to evaluate proficiency on common tasks. Alternate written tests are provided if equipment is not available for hands-on testing.

This publication is the soldier's primary reference to prepare for a commander's evaluation of MOS-specific tasks. It contains task summaries for all critical tasks specific to the MOS and skill level (SL). Commanders and trainers will use this soldier's manual/trainer's guide (SM/TG) to plan and conduct training and commander's evaluations.

Chapter 2, Trainer's Guide, contains information needed to plan training requirements for this MOS. The trainer's guide

- Identifies subject areas in which soldiers must be trained.
- Identifies critical tasks for each subject area.
- Specifies where soldiers are initially trained on each task.
- Recommends how often each task should be trained to sustain proficiency.
- Recommends a strategy for cross-training soldiers.
- Recommends a strategy for training soldiers to perform higher-level tasks.

Use this STP along with STP 21-1-SMCT (Soldier's Manual of Common Tasks, Skill Level 1), STP 21-24-SMCT (Soldier's Manual of Common Tasks, Skill Levels 2-4), Army training and evaluation programs (ARTEPs), FM 25-4 (How to Conduct Training Exercises), FM 25-5 (Training for Mobilization and War), FM 25-100 (Training the Force), and FM 25-101 (Battle-Focused Training) to establish effective training plans and programs that integrate soldier, leader, and collective tasks.

1-2. Task Summaries. Task summaries outline wartime performance requirements for each critical task in the STP. They provide both soldier and trainer with the information necessary to prepare, conduct, and evaluate critical task training. As a minimum, task summaries include information soldiers must know and skills they must perform to standard for each task. Following is the task summary format:

- Task number. The task number is a 10-digit number that identifies the task and skill level. Include the task number and title in any correspondence relating to the task.
- Task title. The task title identifies the action to be performed.
- Conditions. The task condition statement describes the field or garrison conditions under which the task will be performed and identifies the equipment, tools, references, job aids, and supporting personnel that the soldier needs to perform the task in wartime.
- Standards. The task standards describe how well and to what level of proficiency the soldier must perform the task under wartime conditions. Standards are typically expressed in terms of accuracy, completeness, duration, sequence, speed, and tolerance.
- Performance measures. This section identifies specific actions that the soldier must accomplish to complete the task successfully. Performance measures appear in a GO/NO-GO rating format for easy evaluation. Some tasks may also include detailed training information in a Training Information Outline and an Evaluation Preparation Section. The Evaluation Preparation Section indicates necessary modifications to task performance in order to train and evaluate a task that cannot be trained to the wartime standard under wartime conditions. It may also include special training and evaluation preparation instructions to accommodate these modifications and any instructions that should be given to the soldier before evaluation.
- References. This section identifies references that provide more detailed explanations of task performance requirements than are given in the task summary.
- Warnings. Warnings alert users to the possibility of immediate personal injury or equipment damage.
- Notes. Notes provide additional supportive explanations or tips relating to task performance.

1-3. Soldier's Responsibilities. Each soldier is responsible for performing individual tasks identified by the first-line supervisor based on the unit's mission-essential task list (METL). Soldiers must perform tasks to the standards included in the task summary. If soldiers have questions about tasks or which tasks in this manual they must perform, they are responsible for asking their first-line supervisor for clarification. First-line supervisors know how to perform each task or can direct soldiers to appropriate training materials, including current field manuals, technical manuals, and Army regulations. Soldiers are responsible for using these materials to maintain performance. They are also responsible for maintaining performance of all common tasks listed in the SMCTs at their current skill level and below.

Periodically, soldiers should ask their supervisor or another soldier to check their performance to ensure that they can perform the tasks.

1-4. NCO Self-Development and the STP. Self-development is a key component of leader development. Leaders follow planned, progressive, sequential self-development programs developed by the individual NCO and his or her first-line supervisor to enhance and sustain military competencies. Self-development consists of individual study, research, professional reading, practice, and self-assessment. The self-development concept requires NCOs, as Army professionals, to take responsibility for remaining current in all phases of their MOS. The STP is the NCO's primary source for maintaining MOS proficiency.

Another important resource for self-development is the Army Correspondence Course Program (ACCP). Refer to DA Pamphlet 350-59 (Army Correspondence Course Program Catalog) for detailed eligibility requirements and enrollment information. The catalog is available at local education centers or on line through the Army Institute for Professional Development (AIPD) web site, <http://www.atsc.army.mil/accp/aipd.htm>. The web site offers on-line enrollment.

1-5. Commander's Responsibilities. Commanders must ensure that their unit training plans prepare the unit for war by enabling soldiers to develop and sustain proficiency in their MOS and skill level tasks. Commanders should design unit-training programs to provide individual training for all soldiers assigned to the unit and to evaluate soldier proficiency routinely as part of the commander's evaluation program. The unit-training program should also integrate individual training with crew drills and other collective training. The MOS training plan provides information on which to base integration, cross-train, train-up, and sustainment training programs. Commanders should use the MOS training plan when developing unit-training plans.

1-6. Trainer's Responsibilities. Training is the business of all unit leaders. First-line leaders are the principal trainers in the unit because they directly supervise soldiers and lead crews, squads, sections, and teams.

Trainers can use the MOS training plan to determine the critical tasks each soldier is responsible. They should tell each soldier which tasks he or she must be able to perform. Trainers should evaluate task performance to determine which tasks each soldier can or cannot perform to standard. Soldiers who cannot perform a task to standard need further training. This STP helps the trainer do what trainers are paid to do train. Developing effective training is explained in detail in FM 25-100 and FM 25-101.

Every task summary in this STP includes performance measures, which trainers may use year-round to determine if soldiers can perform critical tasks to the specified standards. The performance measures identify what the trainer needs to observe to score a soldier's performance. A blank space is provided for the trainer to check either the GO or NO-GO column for each performance measure. Some tasks require the trainer to watch the soldier perform them (evaluate the process). Other tasks call for the trainer to focus on the results of the soldier's performance (evaluate the product). Comments should not be written on the task summary.

Trainers can monitor the progress of their soldiers by recording task go/no-go results. Trainers may use DA Form 5164-R (Hands-On Evaluation) to record the performance measures a soldier passed or failed. The form, which may be locally reproduced, applies to all tasks in this STP. Trainers may have DA Form 5164-R overprinted with information unique to their training requirements before reproducing it. See Appendix A of this STP for a sample DA Form 5164-R with instructions.

- Trainers may use DA Form 5165-R (Field Expedient Squad Book) to record hands-on go/no-go results for a group of soldiers (for example, a crew, section, or squad) having the same MOS and skill level. This form supports conduct of commander's evaluations, and can be used to record training results gathered in the field during slack time for all MOSs and skill levels. Use of this form is optional. See Appendix B for a sample DA Form 5165-R with instructions. Trainers should work with each soldier until tasks can be performed to specific task summary standards.

1-7. Training Support. References have been identified for each task to assist in planning and conducting training. A consolidated list of references identified by type, publication number, and title and a comprehensive glossary of acronyms, abbreviations, and definitions are included in this STP.

- **References** - are listed by type, identification number, and title.
- **Glossary** - The glossary is a comprehensive list of acronyms, abbreviations, and definitions used in the STP.

CHAPTER 2

Trainer's Guide

2-1. General. The MOS Training Plan (MTP) identifies the essential components of a unit-training plan for individual training. Units have different training needs and requirements based on differences in environment, location, equipment, dispersion, and similar factors. Therefore, the MTP should be used as a guide for conducting unit training and not a rigid standard. The MTP consists of two parts. Each part is designed to assist the commander in preparing a unit training plan which satisfies integration, cross training, training up, and sustainment training requirements for soldiers in this MOS.

Part One of the MTP shows the relationship of an MOS skill level between duty position and critical tasks. These critical tasks are grouped by task commonality into subject areas.

Section I lists subject area numbers and titles used throughout the MTP. These subject areas are used to define the training requirements for each duty position within an MOS.

Section II identifies the total training requirement for each duty position within an MOS and provides a recommendation for cross training and train-up/merger training.

- **Duty Position column.** This column lists the duty positions of the MOS, by skill level, which have different training requirements.
- **Subject Area column.** This column lists, by numerical key (see Section I), the subject areas a soldier must be proficient in to perform in that duty position.
- **Cross Train column.** This column lists the recommended duty position for which soldiers should be cross-trained.
- **Train-up/Merger column.** This column lists the corresponding duty position for the next higher skill level or MOSC the soldier will merge into on promotion.

Part Two lists, by general subject areas, the critical tasks to be trained in an MOS and the type of training required (resident, integration, or sustainment).

- **Subject Area column.** This column lists the subject area number and title in the same order as Section I, Part One of the MTP.
- **Task Number column.** This column lists the task numbers for all tasks included in the subject area.
- **Title column.** This column lists the task title for each task in the subject area.
- **Training Location column.** This column identifies the training location where the task is first trained to soldier training publication standards. If the task is first trained to standard in the unit, the word "Unit" will be in this column. If the task is first trained to standard in the training base, it will identify, by brevity code (ANCOC, BNCOC, etc.), the resident course where the task was taught. Figure 2-1 contains a list of training locations and their corresponding brevity codes.

BNCOC	Basic NCO Course
AIT	Advanced Individual Training
BCT	Basic Combat Course

Figure 2-1. Training Locations

- **Sustainment Training Frequency column.** This column indicates the recommended frequency at which the tasks should be trained to ensure soldiers maintain task proficiency. Figure 2-2 identifies the frequency codes used in this column.

BA	- Biannually
AN	- Annually
SA	- Semiannually
QT	- Quarterly
MO	- Monthly
BW	- Bi-weekly
WK	- Weekly

Figure 2-2. Sustainment Training Frequency Codes

- **Sustainment Training Skill Level column.** This column lists the skill levels of the MOS for which soldiers must receive sustainment training to ensure they maintain proficiency to soldier's manual standards.

2-2. Subject Area Codes.**Skill Level 1**

- 1 Intermediate Maintenance AN/TPQ-36 or AN/TPQ-37 Radar Sets
- 2 Intermediate Maintenance AN/TPQ-36 Radar Set
- 3 Intermediate Maintenance AN/TPQ-37 Radar Set
- 4 Intermediate Maintenance AN/TPQ-36V-8
- 5 Intermediate Maintenance AN/TPQ-64
- 6 Intermediate Maintenance AN/PPS-5
- 7 Intermediate Maintenance AN/PPS-15
- 8 Intermediate Maintenance M-90, M93, and M-94
- 9 Intermediate Maintenance REMBASS
- 10 Intermediate Maintenance AN/TRS-2 PEWS
- 11 Intermediate Maintenance AN/TMQ-41

Skill Level 3

- 12 Maintenance Operations
- 13 Maintenance Management I

2-3. Duty Position Training Requirements.

SKILL LEVEL	DUTY POSTION	SUBJECT AREAS	CROSS-TRAIN	TRAIN-UP/MERGER
1	Radar Repairer	1 through 11	N/A	35M Radar Repairer
2	Radar Repairer	1 through 11	N/A	35M3, Radar Repairer Inspector/Supervisor
3	Radar System Inspector	1 through 13	Avenger System Supervisor	27T4 Section Chief, Missile Maintenance Supervisor

2-4. Critical Tasks List.**MOS TRAINING PLAN
35M13****CRITICAL TASKS**

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
Skill Level 1					
1. Intermediate Maintenance AN/TPQ-36 or AN/TPQ-37 Radar Sets	093-35M-1000	Troubleshoot The Computer/Peripheral Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1001	Repair The Computer/Peripheral Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1002	Troubleshoot The Weapons Location Unit (WLU)/TACFIRE Interface Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1003	Repair The Weapons Location Unit (WLU)/TACFIRE Interface Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1004	Troubleshoot The Synchronizer Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1005	Repair The Synchronizer Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1006	Troubleshoot The Radar Buffers Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1007	Repair The Radar Buffers Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1008	Troubleshoot The Video Processor Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1009	Repair The Video Processor Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1010	Troubleshoot The B-Scope Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1011	Repair The B-Scope Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set	AIT	QT	1-3
2. Intermediate Maintenance AN/TPQ-36 Radar Set	093-35M-1100	Troubleshoot The System Power Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-35M-1101	Repair The System Power Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1102	Troubleshoot The Trailer Control Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1103	Repair The Trailer Control Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1104	Troubleshoot The Exciter System Clock Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1105	Repair The Exciter System Clock Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1106	Troubleshoot The Transmitter Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1107	Repair The Transmitter Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1108	Troubleshoot The Beam Steering Unit Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1109	Repair The Beam Steering Unit Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1110	Troubleshoot The Antenna Positioning Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1111	Repair The Antenna Positioning Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1112	Troubleshoot The Receiver Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1113	Repair The Receiver Function Of The AN/TPQ-36 Radar Set	AIT	QT	1-3
	093-35M-1114	Perform Preventive Maintenance Checks And Services (PMCS) On The AN/TPQ-36 Radar	AIT	QT	1-3
3. Intermediate Maintenance AN/TPQ-37 Radar Set	093-35M-1200	Troubleshoot The System Power Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1201	Repair The System Power Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1202	Troubleshoot The Trailer Control Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1203	Repair The Trailer Control Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-35M-1204	Troubleshoot The Exciter System Clock Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1205	Repair The Exciter System Clock Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1206	Troubleshoot The Transmitter Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1207	Repair The Transmitter Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1208	Troubleshoot The Beam Steering Unit Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1209	Repair The Beam Steering Unit Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1210	Troubleshoot The Antenna Positioning Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1211	Repair The Antenna Positioning Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1212	Troubleshoot The Receiver Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1213	Repair The Receiver Function Of The AN/TPQ-37 Radar Set	AIT	QT	1-3
	093-35M-1214	Perform Preventive Maintenance Checks And Services (PMCS) On The AN/TPQ-37 Radar	AIT	QT	1-3
4. Intermediate Maintenance AN/TPQ-36V-8	093-35M-1300	Troubleshoot The System Power Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1301	Repair The System Power Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1302	Troubleshoot The Communications System Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1303	Repair The Communications System Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1304	Troubleshoot The LCU/Peripheral Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1305	Repair The LCU/Peripheral Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1306	Troubleshoot The Radar Processor Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-35M-1307	Repair The Radar Processor Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1308	Troubleshoot The Light Control Panel Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1309	Repair The Light Control Panel Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1310	Troubleshoot The Shelter Control Panel Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1311	Repair The Shelter Control Panel Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1312	Troubleshoot The Control Display Terminal (CDT) Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1313	Repair The Control Display Terminal (CDT) Function Of The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
	093-35M-1314	Perform Preventive Maintenance Checks And Services (PMCS) On The AN/TPQ-36 (V) 8 Shelter	AIT	QT	1-3
5. Intermediate Maintenance AN/TPQ-64	093-35M-1400	Troubleshoot The Radar Control Terminal (RCT)/Mass Storage Device Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1401	Repair The Radar Control Terminal (RCT)/Mass Storage Device Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1402	Troubleshoot The Signal/Data Processor Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1403	Repair The Signal/Data Processor Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1404	Troubleshoot The System Power Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1405	Repair The System Power Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1406	Troubleshoot The Exciter/Clock Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1407	Repair The Exciter/Clock Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1408	Troubleshoot The Transmitter Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-35M-1409	Repair The Transmitter Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1410	Troubleshoot The Beam Steering Unit (BSU)/Antenna Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1411	Repair The Beam Steering Unit (BSU)/Antenna Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1412	Troubleshoot The Antenna Positioning Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1413	Repair The Antenna Positioning Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1414	Troubleshoot The Receiver Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1415	Repair The Receiver Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1416	Troubleshoot The Identification Friend Or Foe (IFF) Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1417	Repair The Identification Friend Or Foe (IFF) Function Of The AN/MPQ-64 Sentinel	AIT	QT	1-3
	093-35M-1418	Perform Preventive Maintenance Checks And Services (PMCS) On The AN/MPQ-64 Sentinel	AIT	QT	1-3
6. Intermediate Maintenance AN/PPS-5	093-35M-1500	Troubleshoot The Power System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1501	Align The Power System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1502	Repair The Power System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1503	Troubleshoot The Transmitter System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1504	Align The Transmitter System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1505	Repair The Transmitter System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1506	Troubleshoot The Receiver System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1507	Align The Receiver System Of Radar Set AN/PPS-5	AIT	QT	1-3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-35M-1508	Repair The Receiver System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1509	Troubleshoot The Range Finding System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1510	Align The Range Finding System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1511	Repair The Range Finding System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1512	Troubleshoot The Target Indication System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1513	Repair The Target Indication System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1514	Align The Target Indication System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1515	Troubleshoot The Antenna Positioning System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1516	Repair The Antenna Positioning System Of Radar Set AN/PPS-5	AIT	QT	1-3
	093-35M-1517	Align The Antenna Positioning System Of Radar Set AN/PPS-5	AIT	QT	1-3
7. Intermediate Maintenance AN/PPS-15	093-35M-1600	Align The Transmitting Sub-System Of Radar Set AN/PPS-15	AIT	QT	1-3
	093-35M-1601	Troubleshoot The Indicating Sub-System (Control Indicator) Of Radar Set AN/PPS-15	AIT	QT	1-3
	093-35M-1602	Repair The Indicating Sub-System (Control Indicator) Of Radar Set AN/PPS-15	AIT	QT	1-3
8. Intermediate Maintenance M-90, M93, and M-94	093-35M-1700	Troubleshoot The Data Unit Assembly Of Radar Set M-90	AIT	QT	1-3
	093-35M-1701	Repair The Data Unit Assembly Of Radar Set M-90	AIT	QT	1-3
	093-35M-1702	Troubleshoot The System Test Unit Of Radar Set M-90	AIT	QT	1-3
	093-35M-1703	Repair The System Test Unit Of Radar Set M-90	AIT	QT	1-3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-35M-1704	Troubleshoot The Cable Assemblies Of Radar Set M-90	AIT	QT	1-3
	093-35M-1705	Repair The Cable Assemblies Of Radar Set M-90	AIT	QT	1-3
	093-35M-1706	Troubleshoot The CPDU Assembly Of Muzzle Velocity Radar Sets M-93 And M-94	AIT	QT	1-3
	093-35M-1707	Repair The CPDU Assembly Of Muzzle Velocity Radar Sets M-93 And M-94	AIT	QT	1-3
9. Intermediate Maintenance REMBASS	093-35M-1800	Troubleshoot The REMBASS Set	AIT	QT	1-3
	093-35M-1801	Repair The REMBASS Set	AIT	QT	1-3
10. Intermediate Maintenance AN/TRS-2 PEWS	093-35M-1802	Troubleshoot the Platoon Early Warning System (PEWS)	AIT	QT	1-3
	093-35M-1803	Repair the Platoon Early Warning System (PEWS)	AIT	QT	1-3
11. Intermediate Maintenance AN/TMQ-41	093-35M-1900	Troubleshoot The Power Control Unit Of The AN/TMQ-41	AIT	QT	1-3
	093-35M-1901	Repair The Power Control Unit Of The AN/TMQ-41	AIT	QT	1-3
	093-35M-1902	Troubleshoot The Power Entry Assembly Of The AN/TMQ-41	AIT	QT	1-3
	093-35M-1903	Repair The Power Entry Assembly Of The AN/TMQ-41	AIT	QT	1-3
	093-35M-1904	Troubleshoot The Signal Entry Box Of The AN/TMQ-41	AIT	QT	1-3
	093-35M-1905	Repair The Signal Entry Box Of The AN/TMQ-41	AIT	QT	1-3
	093-35M-1906	Troubleshoot The Signal Data Converter Of The AN/TMQ-41	AIT	QT	1-3
	093-35M-1907	Repair The Signal Data Converter Of The AN/TMQ-41	AIT	QT	1-3
	093-35M-1908	Troubleshoot The Marwin Processor Of The AN/TMQ-41	AIT	QT	1-3

CRITICAL TASKS

Subject Area	Task Number	Title	Training Location	Sust Tng Freq	Sust Tng SL
	093-35M-1909	Repair The Marwin Processor Of The AN/TMQ-41	AIT	QT	1-3
Skill Level 3					
12. Maintenance Operations	093-SSG-3004	Submit a Quality Deficiency Report (QDR)	BNCOC	QT	3
	093-SSG-3005	Submit Equipment Improvement Recommendation (EIR)	BNCOC	QT	3
	093-SSG-3006	Plan Work Flow	BNCOC	QT	3
	093-SSG-3007	Direct Performance of Preventive Maintenance	BNCOC	QT	3
	093-SSG-3008	Provide Technical Assistance to Repairers	BNCOC	QT	3
	093-SSG-3009	Perform Initial Inspections	BNCOC	QT	3
	093-SSG-3010	Perform Final Inspections	BNCOC	QT	3
	093-SSG-3012	Perform In-Process Inspection	BNCOC	QT	3
13. Maintenance Management	093-SSG-3001	Inspect Section/Shop Safety	BNCOC	QT	3
	093-SSG-3002	Manage Section/Shop Security	BNCOC	QT	3
	093-SSG-3003	Maintain Section/Shop Calibration Program	BNCOC	QT	3
	093-SSG-3011	Write a Standing Operating Procedure (SOP)	BNCOC	QT	3
	093-SSG-3013	Maintain Property Accountability	BNCOC	QT	3
	093-SSG-3014	Assess Battlefield Damage	BNCOC	QT	3
	093-SSG-3015	Manage Demand Supported Repair Parts Listed on the Prescribed Load List (PLL)	BNCOC	QT	3
	093-SSG-3016	Monitor Bench Stock Operations	BNCOC	QT	3
	093-SSG-3017	Monitor Shop Stock Operations	BNCOC	QT	3
	093-SSG-3019	Inspect Maintenance Support Team Operations	BNCOC	QT	3
	093-SSG-3020	Inspect Maintenance Reporting and Management Data	BNCOC	QT	3
	093-SSG-3021	Review SAMS-1 Reports	BNCOC	QT	3

CHAPTER 3

MOS/Skill Level Tasks

Skill Level 1

Subject Area 1: Intermediate Maintenance AN/TPQ-36 or AN/TPQ-37 Radar Sets

**Troubleshoot The Computer/Peripheral Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1000**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 with a defective computer and/or peripheral, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Computer/Peripheral Function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to determine the defective block/component of the radar system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures

	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-20-1
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P

**References
Required**

Related

TM 11-5840-355-30-1
TM 11-5840-355-30-2
TM 11-5840-355-30-3
TM 11-5840-355-30-4
TM 11-5840-355-34P
TM 11-5840-363-40
TM 11-5840-364-20
TM 11-5840-364-20P
TM 11-5840-364-34P

**Repair The Computer/Peripheral Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1001**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective computer/peripheral, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-354-30-2, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Computer/Peripheral Function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-354-30-2
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-363-40

Troubleshoot The Weapons Location Unit (WLU)/TACFIRE Interface Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1002

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective Weapons Location Unit (WLU)/ TACFIRE interface, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Weapons Location Unit (WLU)/TACFIRE Interface of the AN/TPQ-36 or AN/TPQ-37 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3

**References
Required**

Related

TM 11-5840-355-30-4
TM 11-5840-355-34P
TM 11-5840-363-40
TM 11-5840-364-20
TM 11-5840-364-20P
TM 11-5840-364-34P

**Repair The Weapons Location Unit (WLU)/TACFIRE Interface Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1003**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective Weapons Location Unit (WLU)/TACFIRE interface, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Weapons Location Unit (WLU)/TACFIRE Interface of the AN/TPQ-36 or AN/TPQ-37 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 ERPSL 11-5840-363-24P
 TM 11-5840-354-10
 TM 11-5840-354-20-1
 TM 11-5840-355-10-1
 TM 11-5840-355-20-1
 TM 11-5840-364-20
 TM 11-5840-364-20P
 TM 11-5840-364-30-1
 TM 11-5840-364-30-3
 TM 11-5840-364-34P
 TM 11-5840-378-10
 TM 11-5840-378-20&P

Related

LO 11-5840-354-20
 LO 11-5840-355-20
 TM 11-5840-354-10-HR
 TM 11-5840-354-20
 TM 11-5840-354-20P
 TM 11-5840-354-30-1
 TM 11-5840-354-30-2
 TM 11-5840-354-30-3
 TM 11-5840-354-34P
 TM 11-5840-355-10-2
 TM 11-5840-355-10-3
 TM 11-5840-355-10-HR
 TM 11-5840-355-20-2
 TM 11-5840-355-20-3
 TM 11-5840-355-20P
 TM 11-5840-355-30-1
 TM 11-5840-355-30-2

**References
Required**

Related

TM 11-5840-355-30-3
TM 11-5840-355-30-4
TM 11-5840-355-34P
TM 11-5840-363-40

**Troubleshoot The Synchronizer Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1004**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective synchronizer function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Synchronizer function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAMPHLET 738-750
 TM 11-5840-354-10
 TM 11-5840-354-20-1
 TM 11-5840-355-10-1
 TM 11-5840-355-20-1
 TM 11-5840-364-30-1
 TM 11-5840-364-30-3
 TM 11-5840-378-10
 TM 11-5840-378-20&P

Related

ERPSL 11-5840-363-24P
 LO 11-5840-354-20
 LO 11-5840-355-20
 TM 11-5840-354-10-HR
 TM 11-5840-354-20
 TM 11-5840-354-20P
 TM 11-5840-354-30-1
 TM 11-5840-354-30-2
 TM 11-5840-354-30-3
 TM 11-5840-354-34P
 TM 11-5840-355-10-2
 TM 11-5840-355-10-3
 TM 11-5840-355-10-HR
 TM 11-5840-355-20-2
 TM 11-5840-355-20-3
 TM 11-5840-355-20P
 TM 11-5840-355-30-1
 TM 11-5840-355-30-2
 TM 11-5840-355-30-3
 TM 11-5840-355-30-4
 TM 11-5840-355-34P
 TM 11-5840-363-40

**References
Required**

Related
TM 11-5840-364-20
TM 11-5840-364-20P
TM 11-5840-364-34P

**Repair The Synchronizer Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1005**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective Synchronizer function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Synchronizer function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4

**References
Required**

Related
TM 11-5840-355-34P
TM 11-5840-363-40

**Troubleshoot The Radar Buffers Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1006**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective Radar Buffer function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-20, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Radar Buffer function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 11-5840-354-10
 TM 11-5840-354-20-1
 TM 11-5840-355-10-1
 TM 11-5840-355-20-1
 TM 11-5840-364-20
 TM 11-5840-364-30-1
 TM 11-5840-364-30-3
 TM 11-5840-378-10
 TM 11-5840-378-20&P

Related

ERPSL 11-5840-363-24P
 LO 11-5840-354-20
 LO 11-5840-355-20
 TM 11-5840-354-10-HR
 TM 11-5840-354-20
 TM 11-5840-354-20P
 TM 11-5840-354-30-1
 TM 11-5840-354-30-2
 TM 11-5840-354-30-3
 TM 11-5840-354-34P
 TM 11-5840-355-10-2
 TM 11-5840-355-10-3
 TM 11-5840-355-10-HR
 TM 11-5840-355-20-2
 TM 11-5840-355-20-3
 TM 11-5840-355-20P
 TM 11-5840-355-30-1
 TM 11-5840-355-30-2
 TM 11-5840-355-30-3
 TM 11-5840-355-30-4

**References
Required**

Related

TM 11-5840-355-34P
TM 11-5840-363-40
TM 11-5840-364-20P
TM 11-5840-364-34P

**Repair The Radar Buffers Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1007**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective Radar Buffer function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Radar Buffer function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-363-40

**Troubleshoot The Video Processor Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1008**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective Video Processor function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Video Processor function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4

**References
Required**

Related
TM 11-5840-355-34P
TM 11-5840-363-40
TM 11-5840-364-20
TM 11-5840-364-20P

**Repair The Video Processor Function Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1009**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective Video Processor function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Video Processor function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-363-40

**Troubleshoot The B-Scope Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1010**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective B-Scope function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the B-Scope function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P

**References
Required**

Related

TM 11-5840-363-40
TM 11-5840-364-20
TM 11-5840-364-20P
TM 11-5840-364-34P

**Repair The B-Scope Of The AN/TPQ-36 Or AN/TPQ-37 Radar Set
093-35M-1011**

Conditions: You will be given an AN/TPQ-36 or AN/TPQ-37 Radar Set with a defective B-Scope function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the B-Scope function of the AN/TPQ-36 or AN/TPQ-37 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- LO 11-5840-355-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-363-40

Subject Area 2: Intermediate Maintenance AN/TPQ-36 Radar Set

**Troubleshoot The System Power Function Of The AN/TPQ-36 Radar Set
093-35M-1100**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective System Power function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the System Power function of the AN/TPQ-36 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined test data.	_____	_____
3. Determined starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-34P

**Repair The System Power Function Of The AN/TPQ-36 Radar Set
093-35M-1101**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective System Power function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20, TM 11-5840-354-20-1, TM 11-5840-354-20P, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-354-34P, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the System Power function of the AN/TPQ-36 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined test data.	_____	_____
3. Determined starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- TM 11-5840-354-10-HR

**Troubleshoot The Trailer Control Function Of The AN/TPQ-36 Radar Set
093-35M-1102**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Trailer Control function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Trailer Control function of the AN/TPQ-36 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-34P

**Repair The Trailer Control Function Of The AN/TPQ-36 Radar Set
093-35M-1103**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Trailer Control function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20, TM 11-5840-354-20-1, TM 11-5840-354-20P, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-354-34P, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Trailer Control function of the AN/TPQ-36 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- TM 11-5840-354-10-HR

**Troubleshoot The Exciter System Clock Function Of The AN/TPQ-36 Radar Set
093-35M-1104**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Exciter/ System Clock function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Exciter/System Clock function of the AN/TPQ-36 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-34P

**Repair The Exciter System Clock Function Of The AN/TPQ-36 Radar Set
093-35M-1105**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Exciter/System Clock function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20, TM 11-5840-354-20-1, TM 11-5840-354-20P, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-354-34P, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Exciter/System Clock function of the AN/TPQ-36 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- TM 11-5840-354-10-HR

**Troubleshoot The Transmitter Function Of The AN/TPQ-36 Radar Set
093-35M-1106**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Transmitter function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Transmitter function of the AN/TPQ-36 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Transmitter Function Of The AN/TPQ-36 Radar Set
093-35M-1107**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Transmitter function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20, TM 11-5840-354-20-1, TM 11-5840-354-20P, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-354-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Transmitter function of the AN/TPQ-36 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Troubleshoot The Beam Steering Unit Function Of The AN/TPQ-36 Radar Set
093-35M-1108**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Beam Steering Unit (BSU)/Antenna function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Beam Steering Unit (BSU)/Antenna function of the AN/TPQ-36 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Beam Steering Unit Function Of The AN/TPQ-36 Radar Set
093-35M-1109**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Beam Steering Unit (BSU)/Antenna function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20, TM 11-5840-354-20-1, TM 11-5840-354-20P, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-354-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Beam Steering Unit (BSU)/Antenna function of the AN/TPQ-36 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Troubleshoot The Antenna Positioning Function Of The AN/TPQ-36 Radar Set
093-35M-1110**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Antenna Positioning function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Antenna Positioning function of the AN/TPQ-36 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Antenna Positioning Function Of The AN/TPQ-36 Radar Set
093-35M-1111**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Antenna Positioning function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20, TM 11-5840-354-20-1, TM 11-5840-354-20P, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-354-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Antenna Positioning function of the AN/TPQ-36 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Troubleshoot The Receiver Function Of The AN/TPQ-36 Radar Set
093-35M-1112**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Receiver function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-354-10, TM 11-5840-354-20-1, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Receiver function of the AN/TPQ-36 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-20-1
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20P
- TM 11-5840-354-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Receiver Function Of The AN/TPQ-36 Radar Set
093-35M-1113**

Conditions: You will be given an AN/TPQ-36 Radar Set with a defective Receiver function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, ERPSL 11-5840-363-24P, TM 11-5840-354-10, TM 11-5840-354-20, TM 11-5840-354-20-1, TM 11-5840-354-20P, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-354-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Receiver function of the AN/TPQ-36 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-354-10
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-378-10
- TM 11-5840-378-20&P

Related

- LO 11-5840-354-20
- TM 11-5840-354-10-HR
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Perform Preventive Maintenance Checks and Services (PMCS) On The AN/TPQ-36 Radar
093-35M-1114**

Conditions: You will be given an AN/TPQ-36 Radar Set with a DA Form 2404, a DA Form 2407 or DA Form 5504 (Maintenance Request), cleaning materials, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, ERPSL 11-5840-363-24P, LO 11-5840-354-20, TM 11-5840-354-10, TM 11-5840-354-10-HR, TM 11-5840-354-20, TM 11-5840-354-20-1, TM 11-5840-354-20P, TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-354-30-3, TM 11-5840-354-34P, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, TM 11-5840-378-10, TM 11-5840-378-20&P, DA Pamphlet 738-750, and spare parts. DA Form 2407 (Jul 94) replaces the DA Form 5504 for SAM's users and units supported by SAMS users.

Standards: Performed PMCS on the AN/TPQ-36 Radar Set and observed all safety precautions. Tools and test equipment were used IAW PMCS procedures. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Performed routine checks like cleaning, dusting, washing, checking for frayed cables, stowing items not in use, covering unused receptacles, and checking for loose details.	—	—
2. Performed PMCS IAW Preventive Maintenance Checks and Services Index (Section V Chapter 3 TM 11-5840-378-20&P).	—	—
3. Utilized applicable manuals to assist in PMCS (TM 11-5840-354-30-1, TM 11-5840-354-30-2, TM 11-5840-30-354-30-3, TM 11-5840-364-30-1, TM 11-5840-364-30-2, and TM 11-5840-364-30-3).	—	—
4. Observed all safety warnings and cautions. Prevented damage to sensitive components, observed the precautions given in the electrostatic discharge procedure.	—	—
5. Completed the required maintenance forms. All deficiencies, together with corrective actions taken, were recorded on forms prescribed for maintenance IAW DA PAM 738-750.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- LO 11-5840-354-20
- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-364-20

Related

- TM 11-5840-363-40

References

Required

TM 11-5840-364-20P
TM 11-5840-364-30-1
TM 11-5840-364-30-3
TM 11-5840-364-34P
TM 11-5840-378-10
TM 11-5840-378-20&P

Related

Subject Area 3: Intermediate Maintenance AN/TPQ-37 Radar Set

**Troubleshoot The System Power Function Of The AN/TPQ-37 Radar Set
093-35M-1200**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective System Power function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, TM 11-5840-364-30-1, TM 11-5840-364-30-3, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the System Power function of the AN/TPQ-37 Radar Set to determine the defective block/component. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined test data.	_____	_____
3. Determined starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-355-20
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-3
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-34P

**Repair The System Power Function Of The AN/TPQ-37 Radar Set
093-35M-1201**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective System Power function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-355-20-2, TM 11-5840-355-20-3, TM 11-5840-355-20P, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, TM 11-5840-355-34P, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the System Power function of the AN/TPQ-37 Radar Set to operational status. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined test data.	_____	_____
3. Determined starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 ERPSL 11-5840-363-24P
 TM 11-5840-355-10-1
 TM 11-5840-355-20-1
 TM 11-5840-355-20-2
 TM 11-5840-355-20-3
 TM 11-5840-355-20P
 TM 11-5840-355-30-1
 TM 11-5840-355-30-2
 TM 11-5840-355-30-4
 TM 11-5840-355-34P
 TM 11-5840-364-20
 TM 11-5840-364-20P
 TM 11-5840-364-30-1
 TM 11-5840-364-30-3
 TM 11-5840-364-34P

Related

LO 11-5840-355-20
 TM 11-5840-355-10-2
 TM 11-5840-355-10-3
 TM 11-5840-355-10-HR
 TM 11-5840-355-30-3

**Troubleshoot The Trailer Control Function Of The AN/TPQ-37 Radar Set
093-35M-1202**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Trailer Control function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Trailer Control function of the AN/TPQ-37 Radar Set to determine the defective block/component. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-355-20
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-3
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Trailer Control Function Of The AN/TPQ-37 Radar Set
093-35M-1203**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Trailer Control function, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, ERPSL 11-5840-363-24P, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-355-20P, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, TM 11-5840-355-34P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Trailer Control function of the AN/TPQ-37 Radar Set to operational status. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4
- TM 11-5840-355-34P

Related

- LO 11-5840-355-20
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-30-3
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Troubleshoot The Exciter System Clock Function Of The AN/TPQ-37 Radar Set
093-35M-1204**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Exciter/System Clock function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-355-10-1, TM 11-5840-355-10-2, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-3, TM 11-5840-355-30-4, TM 11-5840-364-30-1, TM 11-5840-364-30-3, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Exciter/System Clock function of the AN/TPQ-37 Radar Set to determine the defective block/component. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined test data.	—	—
3. Determined starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-355-20
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-34P

**Repair The Exciter System Clock Function Of The AN/TPQ-37 Radar Set
093-35M-1205**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Exciter/System Clock function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, an Organizational/Direct Support tool kit, a maintenance aid tool kit, ERPSL 11-5840-363-24P, TM 11-5840-355-10-1, TM 11-5840-355-10-2, TM 11-5840-355-20-1, TM 11-5840-355-20-3, TM 11-5840-355-20P, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-3, TM 11-5840-355-30-4, TM 11-5840-355-34P, TM 11-5840-364-20, TM 11-5840-364-20P, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-364-34P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Exciter/System Clock function of the AN/TPQ-37 Radar Set to operational status. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defines test data.	—	—
3. Determined starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- ERPSL 11-5840-363-24P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-20-1
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

Related

- LO 11-5840-355-20
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2

**Troubleshoot The Transmitter Function Of The AN/TPQ-37 Radar Set
093-35M-1206**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Transmitter function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, a Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-355-10-1, TM 11-5840-355-10-2, TM 11-5840-355-20-1, TM 11-5840-355-30-3, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Transmitter function of the AN/TPQ-37 Radar Set to determine the defective block/component. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-355-20
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Transmitter Function Of The AN/TPQ-37 Radar Set
093-35M-1207**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Transmitter function, a multimeter, an oscilloscope, a power meter, a Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-355-10-1, TM 11-5840-355-10-2, TM 11-5840-355-20-1, TM 11-5840-355-30-3, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Transmitter function of the AN/TPQ-37 Radar Set to operational status. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4

Related

- LO 11-5840-355-20
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Troubleshoot The Beam Steering Unit Function Of The AN/TPQ-37 Radar Set
093-35M-1208**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Beam Steering Unit (BSU)/Antenna function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Beam Steering Unit (BSU)/Antenna function of the AN/TPQ-37 Radar Set to determine the defective block/component. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defines the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-355-20
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-3
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Beam Steering Unit Function Of The AN/TPQ-37 Radar Set
093-35M-1209**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Beam Steering Unit (BSU)/Antenna function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Beam Steering Unit (BSU)/Antenna function of the AN/TPQ-37 Radar Set to operational status. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4

Related

- LO 11-5840-355-20
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-3
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Troubleshoot The Antenna Positioning Function Of The AN/TPQ-37 Radar Set
093-35M-1210**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Antenna Positioning function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Antenna Positioning function of the AN/TPQ-37 Radar Set to determine the defective block/component. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-355-20
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-3
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Antenna Positioning Function Of The AN/TPQ-37 Radar Set
093-35M-1211**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Antenna Positioning function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-355-10-1, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Antenna Positioning function of the AN/TPQ-37 Radar Set to operational status. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4

Related

- LO 11-5840-355-20
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-3
- TM 11-5840-355-30-3
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Troubleshoot The Receiver Function Of The AN/TPQ-37 Radar Set
093-35M-1212**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Receiver function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, a Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-355-10-1, TM 11-5840-355-10-2, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Receiver function of the AN/TPQ-37 Radar Set to determine the defective block/component. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4

Related

- ERPSL 11-5840-363-24P
- LO 11-5840-355-20
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-3
- TM 11-5840-355-34P
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Repair The Receiver Function Of The AN/TPQ-37 Radar Set
093-35M-1213**

Conditions: You will be given an AN/TPQ-37 Radar Set with a defective Receiver function, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, a Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-355-10-1, TM 11-5840-355-10-2, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Receiver function of the AN/TPQ-37 Radar Set to operational status. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-20-1
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-4

Related

- LO 11-5840-355-20
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-3
- TM 11-5840-364-20
- TM 11-5840-364-20P
- TM 11-5840-364-30-1
- TM 11-5840-364-30-3
- TM 11-5840-364-34P

**Perform Preventive Maintenance Checks and Services (PMCS) On The AN/TPQ-37 Radar
093-35M-1214**

Conditions: You will be given an AN/TPQ-37 Radar Set with a DA Form 2404, a DA Form 2407 or DA Form 5504 (Maintenance Request), cleaning materials, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, a Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-355-10-1, TM 11-5840-355-10-2, TM 11-5840-364-30-1, TM 11-5840-364-30-3, TM 11-5840-355-20-1, TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-355-30-4, DA Pamphlet 738-750, and spare parts. DA Form 2407 (Jul 94) replaces the DA Form 5504 for SAM's users and units supported by SAM's users.

Standards: Performed a PMCS of the AN/TPQ-37 Radar Set and observed all safety precautions. Tools and test equipment were used IAW PMCS procedures. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Performed routine checks like cleaning, dusting, washing, checking for frayed cables, stowing items not in use, covering unused receptacles, and checking for loose details.	—	—
2. Performed PMCS IAW Preventive Maintenance Checks and Services Index. (Section V Chapter 3 TM 11-5840-355-20-1).	—	—
3. Utilized applicable manuals to assist in PMCS (TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-30-355-30-4, TM 11-5840-364-30-1, TM 11-5840-364-30-2, and TM 11-5840-364-30-3).	—	—
4. Observed all safety warnings and cautions. Prevented damage to sensitive components, observed the precautions given in the electrostatic discharge procedure.	—	—
5. Completed the required maintenance forms. All deficiencies, together with corrective actions taken, were recorded on forms prescribed for maintenance IAW DA PAM 738-750.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required	Related
DA PAM 738-750	LO 11-5840-355-20
TM 11-5840-355-10-1	TM 11-5840-355-10-3
TM 11-5840-355-10-2	TM 11-5840-355-10-HR
TM 11-5840-355-20-1	TM 11-5840-355-20-2
TM 11-5840-355-30-1	TM 11-5840-355-20-3
TM 11-5840-355-30-2	TM 11-5840-355-20P
TM 11-5840-355-30-4	TM 11-5840-355-30-3
TM 11-5840-364-30-1	TM 11-5840-355-34P
TM 11-5840-364-30-3	TM 11-5840-364-20
	TM 11-5840-364-20P
	TM 11-5840-364-34P

Subject Area 4: Intermediate Maintenance AN/TPQ-36V-8

**Troubleshoot The System Power Function Of The AN/TPQ-36 (V)8 Shelter
093-35M-1300**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective System Power function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-354-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the System Power function of the AN/TPQ-36 (V) 8 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4

**References
Required**

Related

TM 11-5840-355-34P
TM 11-5840-380-23-2
TM 11-5840-380-23P

**Repair The System Power Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1301**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective System power function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-354-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the System Power function of the AN/TPQ-36 (V)8 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4

**References
Required**

Related

TM 11-5840-355-34P
TM 11-5840-380-23-2
TM 11-5840-380-23P

**Troubleshoot The Communications System Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1302**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Communication System function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Communication System function of the AN/TPQ-36 (V) 8 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P

**References
Required**

Related
TM 11-5840-380-23-2
TM 11-5840-380-23P

**Repair The Communications System Function Of The AN/TPQ-36 (V)8 Shelter
093-35M-1303**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Communication System function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-354-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Communication function of the AN/TPQ-36 (V) 8 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P

**References
Required**

Related
TM 11-5840-380-23-2
TM 11-5840-380-23P

**Troubleshoot The LCU/Peripheral Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1304**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective LCU/Peripheral function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the LCU/Peripheral function of the AN/TPQ-36 (V)8 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 11-5840-380-10
 TM 11-5840-380-23-1

Related

TM 11-5840-354-10
 TM 11-5840-354-10-HR
 TM 11-5840-354-20
 TM 11-5840-354-20-1
 TM 11-5840-354-20P
 TM 11-5840-354-30-1
 TM 11-5840-354-30-2
 TM 11-5840-354-30-3
 TM 11-5840-354-34P
 TM 11-5840-355-10-1
 TM 11-5840-355-10-2
 TM 11-5840-355-10-3
 TM 11-5840-355-10-HR
 TM 11-5840-355-20-1
 TM 11-5840-355-20-2
 TM 11-5840-355-20-3
 TM 11-5840-355-20P
 TM 11-5840-355-30-1
 TM 11-5840-355-30-2
 TM 11-5840-355-30-3
 TM 11-5840-355-30-4
 TM 11-5840-355-34P
 TM 11-5840-380-23-2
 TM 11-5840-380-23P

**Repair The LCU/Peripheral Function Of The AN/TPQ-36 (V)8 Shelter
093-35M-1305**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective LCU/Peripheral function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the LCU/Peripheral function of the AN/TPQ-36 (V)8 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Troubleshoot The Radar Processor Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1306**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Radar Processor, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Radar Processor function of the AN/TPQ-36 (V)8 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Repair The Radar Processor Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1307**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Radar Processor function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Radar Processor function of the AN/TPQ-36 (V)8 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Troubleshoot The Light Control Panel Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1308**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Light Control Panel function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Light Control Panel function of the AN/TPQ-36 (V)8 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Repair The Light Control Panel Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1309**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Light Control Panel function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Light Control Panel function of the AN/TPQ-36 (V) 8 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Troubleshoot The Shelter Control Panel Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1310**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Shelter Control Panel function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Shelter Control Panel function of the AN/TPQ-36 (V) 8 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Repair The Shelter Control Panel Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1311**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Shelter Control Panel function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Shelter Control Panel function of the AN/TPQ-36 (V) 8 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Troubleshoot The Control Display Terminal (CDT) Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1312**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Control Display Terminal (CDT) function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Control Display Terminal (CDT) function of the AN/TPQ-36 (V) 8 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- DA PAM 738-750
- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Repair The Control Display Terminal (CDT) Function Of The AN/TPQ-36 (V) 8 Shelter
093-35M-1313**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a defective Control Display Terminal (CDT) function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Control Display Terminal (CDT) function of the AN/TPQ-36 (V) 8 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5840-380-10
- TM 11-5840-380-23-1

Related

- TM 11-5840-354-10
- TM 11-5840-354-10-HR
- TM 11-5840-354-20
- TM 11-5840-354-20-1
- TM 11-5840-354-20P
- TM 11-5840-354-30-1
- TM 11-5840-354-30-2
- TM 11-5840-354-30-3
- TM 11-5840-354-34P
- TM 11-5840-355-10-1
- TM 11-5840-355-10-2
- TM 11-5840-355-10-3
- TM 11-5840-355-10-HR
- TM 11-5840-355-20-1
- TM 11-5840-355-20-2
- TM 11-5840-355-20-3
- TM 11-5840-355-20P
- TM 11-5840-355-30-1
- TM 11-5840-355-30-2
- TM 11-5840-355-30-3
- TM 11-5840-355-30-4
- TM 11-5840-355-34P
- TM 11-5840-380-23-2
- TM 11-5840-380-23P

**Perform Preventive Maintenance Checks And Services (PMCS) On The AN/TPQ-36 (V) 8 Shelter
093-35M-1314**

Conditions: You will be given an AN/TPQ-36 (V) 8 Radar Set with a DA Form 2404, a DA Form 2407 or DA Form 5504 (Maintenance Request), cleaning materials, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, a Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 11-5840-380-30, TM 11-5840-380-23-1, DA Pamphlet 738-750, and spare parts. DA Form 2407 (Jul 94) replaces the DA Form 5504 for SAM's users and units supported by SAM's users.

Standards: Performed a PMCS of the AN/TPQ-36 (V) 8 Radar Set and observed all safety precautions. Tools and test equipment were used IAW PMCS procedures. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Performed routine checks like cleaning, dusting, washing, checking for frayed cables, stowing items not in use, covering unused receptacles, and checking for loose details.	—	—
2. Performed PMCS IAW PREVENTIVE MAINTENANCE CHECKS AND SERVICES INDEX (Section V Chapter 3 TM 11-5840-380-20-1).	—	—
3. Utilized applicable manuals to assist in PMCS (TM 11-5840-380-30-1, TM 11-5840-355-30-2, TM 11-5840-30-355-30-4, TM 11-5840-364-30-1, TM 11-5840-364-30-2, and TM 11-5840-364-30-3).	—	—
4. Observed all safety warnings and cautions. Prevented damage to sensitive components, observed the precautions given in the electrostatic discharge procedure.	—	—
5. Completed the required maintenance forms. All deficiencies, together with corrective actions taken, were recorded on forms prescribed for maintenance IAW DA PAM 738-750.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

TM 11-5840-380-10
TM 11-5840-380-23-1

Related

DA PAM 738-750
TM 11-5840-354-10
TM 11-5840-354-10-HR
TM 11-5840-354-20
TM 11-5840-354-20-1
TM 11-5840-354-20P
TM 11-5840-354-30-1
TM 11-5840-354-30-2
TM 11-5840-354-30-3
TM 11-5840-354-34P
TM 11-5840-355-10-1
TM 11-5840-355-10-2
TM 11-5840-355-10-3
TM 11-5840-355-10-HR
TM 11-5840-355-20-1
TM 11-5840-355-20-2
TM 11-5840-355-20-3

**References
Required**

Related

TM 11-5840-355-20P
TM 11-5840-355-30-1
TM 11-5840-355-30-2
TM 11-5840-355-30-3
TM 11-5840-355-30-4
TM 11-5840-355-34P
TM 11-5840-380-23-2
TM 11-5840-380-23P

Subject Area 5: Intermediate Maintenance AN/TPQ-64

Troubleshoot The Radar Control Terminal (RCT)/Mass Storage Device Function Of The AN/MPQ-64 Sentinel
093-35M-1400

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Radar Control Terminal (RCT)/Mass Storage Device function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Radar Control Terminal (RCT)/Mass Storage Device function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

Repair The Radar Control Terminal (RCT)/Mass Storage Device Function Of The AN/MPQ-64 Sentinel
093-35M-1401

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Radar Control Terminal (RCT)/Mass Storage Device function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Radar Control Terminal (RCT)/Mass Storage Device function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-1430-741-10
- TM 9-1430-741-24&P

Related

- EM 0096
- SC 5180-92-G03
- TM 9-1430-741-10-HR
- TM 9-1430-741-BD

**Troubleshoot The Signal/Data Processor Function Of The AN/MPQ-64 Sentinel
093-35M-1402**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Signal/Data Processor function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Signal/Data Processor function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1430-741-10
TM 9-1430-741-24&P

Related

EM 0096
SC 5180-92-G03
TM 9-1430-741-10-HR
TM 9-1430-741-BD

**Repair The Signal/Data Processor Function Of The AN/MPQ-64 Sentinel
093-35M-1403**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Signal/Data Processor function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Signal/Data Processor function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

**Troubleshoot The System Power Function Of The AN/MPQ-64 Sentinel
093-35M-1404**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective System Power function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the System Power function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1430-741-10
TM 9-1430-741-24&P

Related

EM 0096
SC 5180-92-G03
TM 9-1430-741-10-HR
TM 9-1430-741-BD

**Repair The System Power Function Of The AN/MPQ-64 Sentinel
093-35M-1405**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective System Power function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the System Power function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

**Troubleshoot The Exciter/Clock Function Of The AN/MPQ-64 Sentinel
093-35M-1406**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Exciter/Clock function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Exciter/Clock function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

**Repair The Exciter/Clock Function Of The AN/MPQ-64 Sentinel
093-35M-1407**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Exciter/Clock function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Exciter/Clock function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-1430-741-10
- TM 9-1430-741-24&P

Related

- EM 0096
- SC 5180-92-G03
- TM 9-1430-741-10-HR
- TM 9-1430-741-BD

**Troubleshoot The Transmitter Function Of The AN/MPQ-64 Sentinel
093-35M-1408**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Transmitter function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Transmitter function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed . Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1430-741-10
TM 9-1430-741-24&P

Related

EM 0096
SC 5180-92-G03
TM 9-1430-741-10-HR
TM 9-1430-741-BD

**Repair The Transmitter Function Of The AN/MPQ-64 Sentinel
093-35M-1409**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Transmitter function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Transmitter function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1430-741-10
TM 9-1430-741-24&P

Related

EM 0096
SC 5180-92-G03
TM 9-1430-741-10-HR
TM 9-1430-741-BD

**Troubleshoot The Beam Steering Unit (BSU)/Antenna Function of The AN/MPQ-64 Sentinel
093-35M-1410**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Beam Steering Unit (Bsu)/Antenna function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Beam Steering Unit (Bsu)/Antenna function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

**Repair The Beam Steering Unit (BSU)/Antenna Function Of The AN/MPQ-64 Sentinel
093-35M-1411**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Beam Steering Unit (Bsu)/Antenna function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Beam Steering Unit (Bsu)/Antenna function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

**Troubleshoot The Antenna Positioning Function Of The AN/MPQ-64 Sentinel
093-35M-1412**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Antenna Positioning function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Antenna Positioning function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1430-741-10
TM 9-1430-741-24&P

Related

EM 0096
SC 5180-92-G03
TM 9-1430-741-10-HR
TM 9-1430-741-BD

**Repair The Antenna Positioning Function Of The AN/MPQ-64 Sentinel
093-35M-1413**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Antenna Positioning function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Antenna Positioning function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1430-741-10
TM 9-1430-741-24&P

Related

EM 0096
SC 5180-92-G03
TM 9-1430-741-10-HR
TM 9-1430-741-BD

Troubleshoot The Receiver Function Of The AN/MPQ-64 Sentinel
093-35M-1414

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Receiver function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Receiver function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

**Repair the Receiver Function Of The AN/MPQ-64 Sentinel
093-35M-1415**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Receiver function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Receiver function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1430-741-10
TM 9-1430-741-24&P

Related

EM 0096
SC 5180-92-G03
TM 9-1430-741-10-HR
TM 9-1430-741-BD

**Troubleshoot The Identification Friend Or Foe (IFF) Function Of The AN/MPQ-64 Sentinel
093-35M-1416**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Identification Friend Or Foe (IFF) function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Performed troubleshooting procedures on the Identification Friend Or Foe (IFF) function of the AN/MPQ-64 Radar Set to determine the defective block/component. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

**Repair The Identification Friend Or Foe (IFF) Function Of The AN/MPQ-64 Sentinel
093-35M-1417**

Conditions: You will be given an AN/MPQ-64 Radar Set with a defective Identification Friend Or Foe (IFF) function, a multimeter, an oscilloscope, a Organizational/Direct Support tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts.

Standards: Repaired the Identification Friend Or Foe (IFF) function of the AN/MPQ-64 Radar Set to operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

**Perform Preventive Maintenance Checks And Services (PMCS) On The AN/MPQ-64 Sentinel
093-35M-1418**

Conditions: You will be given an AN/MPQ-64 Radar Set with a DA Form 2404, a DA Form 2407 or DA Form 5504 (Maintenance Request), cleaning materials, a multimeter, an oscilloscope, a spectrum analyzer, a power meter, a Organizational/Direct Support tool kit, a maintenance aid tool kit, TM 9-1430-741-10, TM 9-1430-741-24&P, DA Pamphlet 738-750, and spare parts. DA Form 2407 (Jul 94) replaces the DA Form 5504 for SAM's users and units supported by SAMS users.

Standards: Performed a PMCS of the AN/MPQ-64 Radar Set and observed all safety precautions. Tools and test equipment were used IAW PMCS procedures. Maintenance forms were completed according to DA Pam 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Performed routine checks like cleaning, dusting, washing, checking for frayed cables, stowing items not in use, covering unused receptacles, and checking for loose details.	—	—
2. Performed PMCS IAW PREVENTIVE MAINTENANCE CHECKS AND SERVICES INDEX (Section V Chapter 3 TM 11-5840-355-20-1).	—	—
3. Utilized applicable manuals to assist in PMCS (TM 11-5840-355-30-1, TM 11-5840-355-30-2, TM 11-5840-30-355-30-4, TM 11-5840-364-30-1, TM 11-5840-364-30-2, and TM 11-5840-364-30-3).	—	—
4. Observed all safety warnings and cautions. Prevented damage to sensitive components, observed the precautions given in the electrostatic discharge procedure.	—	—
5. Completed the required maintenance forms. All deficiencies, together with corrective actions taken, were recorded on forms prescribed for maintenance IAW DA PAM 738-750.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
 TM 9-1430-741-10
 TM 9-1430-741-24&P

Related

EM 0096
 SC 5180-92-G03
 TM 9-1430-741-10-HR
 TM 9-1430-741-BD

Subject Area 6: Intermediate Maintenance AN/PPS-5

**Troubleshoot The Power System Of Radar Set AN/PPS-5
093-35M-1500**

Conditions: You will be given a radar set AN/PPS-5 with a defective power system, a dummy load, a multimeter, an oscilloscope, a stopwatch, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Performed troubleshooting procedures on the power system of the AN/PPS-5 to determine the defective block/component of the radar system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault Symptoms.	_____	_____
2. Identified and defined the Test Data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Align The Power System Of Radar Set AN/PPS-5
093-35M-1501**

Conditions: You will be given a radar set AN/PPS-5 with a misaligned Power System, a dummy load, a multimeter, an oscilloscope, a stopwatch, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Aligned the power system of the Radar Set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault Symptoms.	_____	_____
2. Identified and defined the Test Data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Repair The Power System Of Radar Set AN/PPS-5
093-35M-1502**

Conditions: You will be given the required parts to repair the defective power system of the radar set AN/PPS-5, a dummy load, a multimeter, an oscilloscope, a stopwatch, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Repaired the defective power system of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault Symptoms.	—	—
2. Identified and defined the Test Data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required
DA PAM 738-750
TM 11-5840-298-35

Related

**Troubleshoot The Transmitter System Of Radar Set AN/PPS-5
093-35M-1503**

Conditions: You will be given an AN/PPS-5 with a defective transmitter, a directional coupler, a dummy load, a multimeter, an oscilloscope, a radar test set, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Performed troubleshooting procedures on the Transmitter System of the AN/PPS-5 to determine the defective block/component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault Symptoms.	—	—
2. Identified and defined the Test Data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Align The Transmitter System Of Radar Set AN/PPS-5
093-35M-1504**

Conditions: You will be given an AN/PPS-5 with a Transmitter System, a directional coupler, a dummy load, a multimeter, an oscilloscope, a radar test set, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Aligned the transmitter system of the Radar Set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault Symptoms.	—	—
2. Identified and defined the Test Data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Repair The Transmitter System Of Radar Set AN/PPS-5
093-35M-1505**

Conditions: You will be given the required parts to repair the defective transmitter system of the radar set AN/PPS-5, a dummy load, a multimeter, an oscilloscope, a stopwatch, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Repaired the defective transmitter system of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault Symptoms.	—	—
2. Identified and defined the Test Data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required
DA PAM 738-750
TM 11-5840-298-35

Related

**Troubleshoot The Receiver System Of Radar Set AN/PPS-5
093-35M-1506**

Conditions: You will be given an AN/PPS-5 with a defective receiving system, a crystal tester, a differential voltmeter, a directional coupler, a dummy load, an oscilloscope, power supplies, a pulse generator, a radar test set, an RF generator, an RF pulse generator, an RF voltmeter, a step attenuator, a sweep generator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Performed troubleshooting procedures on the Receiver System of the AN/PPS-5 to determine the defective block/component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Align The Receiver System Of Radar Set AN/PPS-5
093-35M-1507**

Conditions: You will be given an AN/PPS-5 with a misaligned Receiver System, a crystal tester, a differential voltmeter, a directional coupler, a dummy load, an oscilloscope, power supplies, a pulse generator, a radar test set, an RF generator, an RF pulse generator, an RF voltmeter, a step attenuator, a sweep generator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Aligned the receiver system of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Repair The Receiver System Of Radar Set AN/PPS-5
093-35M-1508**

Conditions: You will be given the parts required to repair the defective receiving system of the radar set AN/PPS-5, a crystal tester, a differential voltmeter, a directional coupler, a dummy load, an oscilloscope, power supplies, a pulse generator, a radar test set, an RF generator, an RF pulse generator, an RF voltmeter, a step attenuator, a sweep generator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Repaired the defective receiver system of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Troubleshoot The Range Finding System Of Radar Set AN/PPS-5
093-35M-1509**

Conditions: You will be given an AN/PPS-5 with a defective range finding system, an attenuator, a dummy load, a multimeter, an oscilloscope, a power supply, a pulse generator, a step attenuator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Performed troubleshooting procedures on the Range Finding System of the AN/PPS-5 to determine the defective block/component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Align The Range Finding System Of Radar Set AN/PPS-5
093-35M-1510**

Conditions: You will be given an AN/PPS-5 with a misaligned Range Finding System, an attenuator, a dummy load, a multimeter, an oscilloscope, a power supply, a pulse generator, a step attenuator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Aligned the range finding system of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Repair The Range Finding System Of Radar Set AN/PPS-5
093-35M-1511**

Conditions: You will be given the required parts to repair the defective range finding system of the radar set AN/PPS-5, an attenuator, a dummy load, a multimeter, an oscilloscope, a power supply, a pulse generator, a step attenuator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Repaired the defective range finding system of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Troubleshoot The Target Indication System Of Radar Set AN/PPS-5
093-35M-1512**

Conditions: You will be given an AN/PPS-5 with a defective target indication system, an attenuator, an audio oscillator, a dummy load, a multimeter, an oscilloscope, a power supply, a pulse generator, a step attenuator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Performed troubleshooting procedures on the Target Indication System of the AN/PPS-5 to determine the defective block/component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Repair The Target Indication System Of Radar Set AN/PPS-5
093-35M-1513**

Conditions: You will be given the required parts to repair the defective target indication system of the radar set AN/PPS-5, an attenuator, an audio oscillator, a dummy load, a multimeter, an oscilloscope, a power supply, a pulse generator, a step attenuator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Repaired the defective Target Indication System of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Align The Target Indication System Of Radar Set AN/PPS-5
093-35M-1514**

Conditions: You will be given an AN/PPS-5 with a misaligned Target Indication System, an attenuator, an audio oscillator, a dummy load, a multimeter, an oscilloscope, a power supply, a pulse generator, a step attenuator, a test facilities kit, a direct support tool kit, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Aligned the Target Indication System of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Troubleshoot The Antenna Positioning System Of Radar Set AN/PPS-5
093-35M-1515**

Conditions: You will be given an AN/PPS-5 with a defective antenna positioning system, an audio oscillator, a dummy load, a multimeter, an oscilloscope, a power supply, a stop watch, a test facilities kit, a direct support tool kit, a variable transformer, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Performed troubleshooting procedures on the antenna positioning system of the AN/PPS-5 to determine the defective block/component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Repair The Antenna Positioning System Of Radar Set AN/PPS-5
093-35M-1516**

Conditions: You will be given the required parts to repair the defective antenna positioning system of the radar set AN/PPS-5, an audio oscillator, a dummy load, a multimeter, an oscilloscope, a power supply, a stop watch, a test facilities kit, a direct support tool kit, a variable transformer, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Repaired the defective antenna positioning system of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

**Align The Antenna Positioning System Of Radar Set AN/PPS-5
093-35M-1517**

Conditions: You will be given an AN/PPS-5 with a misaligned antenna positioning system, an audio oscillator, a dummy load, a multimeter, an oscilloscope, a power supply, a stop watch, a test facilities kit, a direct support tool kit, a variable transformer, a vacuum tube voltmeter, DA Pamphlet 738-750 and TM 11-5840-298-35.

Standards: Aligned the antenna positioning system of the radar set AN/PPS-5 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-298-35

Related

Subject Area 7: Intermediate Maintenance AN/PPS-15

**Align The Transmitting Sub-System Of Radar Set AN/PPS-15
093-35M-1600**

Conditions: You will be given a radar set AN/PPS-15 with a misaligned transmitting sub-system, test equipment, a tool kit, DA Pamphlet 738-750 and TM 11-5840-347-13.

Standards: Aligned the transmitting sub-system of the radar set AN/PPS-15 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-347-13

Related

**Troubleshoot The Indicating Sub-System (Control Indicator) Of Radar Set AN/PPS-15
093-35M-1601**

Conditions: You will be given a radar set AN/PPS-15 with a defective indicating sub-system, test equipment, a tool kit, DA Pamphlet 738-750 and TM 11-5840-347-13.

Standards: Performed troubleshooting procedures on the indicating sub-system of the AN/PPS-15 to determine the defective component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-347-13

Related

**Repair The Indicating Sub-System (Control Indicator) Of Radar Set AN/PPS-15
093-35M-1602**

Conditions: You will be given the required parts to repair the defective indicating sub-system of the radar set AN/PPS-15, test equipment, a tool kit, DA Pamphlet 738-750 and TM 11-5840-347-13.

Standards: Repaired the defective indicating sub-system of the radar set AN/PPS-15 to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-5840-347-13

Related

Subject Area 8: Intermediate Maintenance M-90, M93, and M-94

**Troubleshoot The Data Unit Assembly Of Radar Set M-90
093-35M-1700**

Conditions: You will be given a M-90 chronograph with a defective data unit assembly, a multimeter, a direct support tool kit, DA Pamphlet 738-750 and TM 9-1290-359-14&P.

Standards: Performed troubleshooting procedures on the data unit assembly of the M-90 to determine the defective component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750

TM 9-1290-359-14&P

Related

**Repair The Data Unit Assembly Of Radar Set M-90
093-35M-1701**

Conditions: You will be given the required parts to repair the defective data unit assembly of the M-90 chronograph, a multimeter, a direct support tool kit, DA Pamphlet 738-750 and TM 9-1290-359-14&P.

Standards: Repaired the defective data unit assembly of the M-90 chronograph radar to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-1290-359-14&P

Related

**Troubleshoot The System Test Unit Of Radar Set M-90
093-35M-1702**

Conditions: You will be given a M-90 chronograph with a defective system test unit, a multimeter, a direct support tool kit, DA Pamphlet 738-750 and TM 9-1290-359-14&P.

Standards: Performed troubleshooting procedures on the system test unit of the M-90 to determine the defective component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1290-359-14&P

Related

**Repair The System Test Unit Of Radar Set M-90
093-35M-1703**

Conditions: You will be given the required parts to repair the defective system test unit of the M-90 chronograph, a multimeter, a direct support tool kit, DA Pamphlet 738-750 and TM 9-1290-359-14&P.

Standards: Repaired the defective system test unit of the M-90 chronograph radar to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-1290-359-14&P

Related

Troubleshoot The Cable Assemblies Of Radar Set M-90
093-35M-1704

Conditions: You will be given a M-90 chronograph with a defective cable assembly, a multimeter, a direct support tool kit, DA Pamphlet 738-750 and TM 9-1290-359-14&P.

Standards: Performed troubleshooting procedures on the cable assemblies of the M-90 to determine the defective component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750

TM 9-1290-359-14&P

Related

**Repair The Cable Assemblies Of Radar Set M-90
093-35M-1705**

Conditions: You will be given the required parts to repair a defective cable assembly of the M-90 chronograph, a multimeter, a direct support tool kit, DA Pamphlet 738-750 and TM 9-1290-359-14&P.

Standards: Repaired the defective cable assemblies of the M-90 chronograph radar to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 9-1290-359-14&P

Related

**Troubleshoot The CPDU Assembly Of Muzzle Velocity Radar Sets M-93 And M-94
093-35M-1706**

Conditions: You will be given a M-93 or M-94 Chronograph with a defective CPDU assembly, a multimeter, a direct support tool kit, DA Pamphlet 738-750 and TM 9-1290-359-14&P.

Standards: Performed troubleshooting procedures on the CPDU assembly of the M-93 or M-94 to determine the defective component of the radar set. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1290-364-14&P

Related

TM 3-4240-325-20&P

**Repair The CPDU Assembly Of Muzzle Velocity Radar Sets M-93 And M-94
093-35M-1707**

Conditions: You will be given the required parts to repair the defective CPDU assembly of the M-93 or M-94 Chronograph, a multimeter, a direct support tool kit, DA Pamphlet 738-750 and TM 9-1290-359-14&P.

Standards: Repaired the defective CPDU assembly of the M-93 or M-94 Chronograph Radar to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 9-1290-364-14&P

Related

TM 3-4240-325-20&P

Subject Area 9: Intermediate Maintenance REMBASS

Troubleshoot The REMBASS Set
093-35M-1800

Conditions: You will be given a defective Remotely Monitored Battlefield Sensor System (REMBASS), a multimeter, a direct support tool kit, DA PAM 738-750 and TM 11-6350-219-13.

Standards: Performed troubleshooting procedures on the Remotely Monitored Battlefield Sensor System (REMBASS) to determine the defective component/part of the system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6350-219-13

Related

TM 11-6350-220-30
TM 11-6350-288-30

**Repair The REMBASS Set
093-35M-1801**

Conditions: You will be given the required parts to repair a defective Remotely Monitored Battlefield sensor system (REMBASS), a multimeter, a direct support tool kit, DA PAM 738-750 and TM 11-6350-219-13.

Standards: Repaired the Remotely Monitored Battlefield Sensor System (REMBASS) to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6350-219-13

Related

TM 11-6350-220-30
TM 11-6350-288-30

Subject Area 10: Intermediate Maintenance AN/TRS-2 PEWS

**Troubleshoot the Platoon Early Warning System (PEWS)
093-35M-1802**

Conditions: You will be given a defective AN/TRS-2 (V) 1-6 Platoon Early Warning System (PEWS), test equipment, a tool kit, DA PAM 738-750, TM 11-5895-1047-10, TM 11-5895-1047-23, and TM 11-5895-1047-23P.

Standards: Performed troubleshooting procedures on the Platoon Early Warning System (PEWS) to determine the defective component/part of the system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5895-1047-10
- TM 11-5895-1047-10-HR
- TM 11-5895-1047-23
- TM 11-5895-1047-23P

Related

Repair the Platoon Early Warning System (PEWS)

093-35M-1803

Conditions: You will be given the required parts to repair a defective AN/TRS-2 (V) 1-6 Platoon Early Warning System (PEWS), TMDE, a tool kit, and DA PAM 738-750, TM 11-5895-1047-10, TM 11-5895-1047-23, and TM 11-5895-1047-23P.

Standards: Repaired the Platoon Early Warning System (PEWS) to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

- DA PAM 738-750
- TM 11-5895-1047-10
- TM 11-5895-1047-23
- TM 11-5895-1047-23P

Related

- TM 11-5895-1047-10-HR

Subject Area 11: Intermediate Maintenance AN/TMQ-41

**Troubleshoot The Power Control Unit Of The AN/TMQ-41
093-35M-1900**

Conditions: You will be given an AN/TMQ-41 with a defective power control unit, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Performed troubleshooting procedures on the power control unit of the radar set AN/TMQ-41 to determine the defective component of the system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	_____	_____
2. Identified and defined the test data.	_____	_____
3. Determined the starting point.	_____	_____
4. Evaluated the test measurements.	_____	_____
5. Identified the fault.	_____	_____
6. Repaired the fault.	_____	_____

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Repair The Power Control Unit Of The AN/TMQ-41
093-35M-1901**

Conditions: You will be given the required parts to repair the power control unit of the AN/TMQ-41, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Repaired the power control unit of the AN/TMQ-41 radar set to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Troubleshoot The Power Entry Assembly Of The AN/TMQ-41
093-35M-1902**

Conditions: You will be given an AN/TMQ-41 with a defective power entry assembly, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Performed troubleshooting procedures on the power entry assembly of the radar set AN/TMQ-41 to determine the defective component of the system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Repair The Power Entry Assembly Of The AN/TMQ-41
093-35M-1903**

Conditions: You will be given the required parts to repair the power entry assembly of the AN/TMQ-41, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Repaired the power entry assembly of the AN/TMQ-41 radar set to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Troubleshoot The Signal Entry Box Of The AN/TMQ-41
093-35M-1904**

Conditions: You will be given an AN/TMQ-41 with a defective signal entry box, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Performed troubleshooting procedures on the signal entry box of the radar set AN/TMQ-41 to determine the defective component of the system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Repair The Signal Entry Box Of The AN/TMQ-41
093-35M-1905**

Conditions: You will be given the required parts to repair the signal entry box of the AN/TMQ-41, a multimeter, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Repaired the signal entry box of the AN/TMQ-41 radar set to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Troubleshoot The Signal Data Converter Of The AN/TMQ-41
093-35M-1906**

Conditions: You will be given an AN/TMQ-41 with a defective signal data converter, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Performed troubleshooting procedures on the signal data converter of the radar set AN/TMQ-41 to determine the defective component of the system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Repair The Signal Data Converter Of The AN/TMQ-41
093-35M-1907**

Conditions: You will be given the required parts to repair the signal data converter of the AN/TMQ-41, a multimeter, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Repaired the signal data converter of the AN/TMQ-41 radar set to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Troubleshoot The Marwin Processor Of The AN/TMQ-41
093-35M-1908**

Conditions: You will be given an AN/TMQ-41 with a defective marwin processor, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Performed troubleshooting procedures on the marwin processor of the radar set AN/TMQ-41 to determine the defective component of the system. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

**Repair The Marwin Processor Of The AN/TMQ-41
093-35M-1909**

Conditions: You will be given the required parts to repair the marwin processor of the AN/TMQ-41, a multimeter, an oscilloscope, an Organizational/Direct Support tool kit, spare parts, DA PAM 738-750 and TM 11-6660-283-13.

Standards: Repaired the marwin processor of the AN/TMQ-41 radar set to an operational status. All maintenance forms were completed according to DA Pamphlet 738-750. All safety precautions were observed.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified the fault symptoms.	—	—
2. Identified and defined the test data.	—	—
3. Determined the starting point.	—	—
4. Evaluated the test measurements.	—	—
5. Identified the fault.	—	—
6. Repaired the fault.	—	—

Evaluation Guidance: Score the soldier GO if all performance measures are passed. Score the soldier NO-GO if any performance measure is failed. If the soldier fails any performance measures, show what was done wrong and how to do it correctly.

References

Required

DA PAM 738-750
TM 11-6660-283-13

Related

TB 11-5820-890-20-107
TB 11-5820-890-20-89
TB 11-6660-283-25

Skill Level 3

Subject Area 12: Maintenance Operations

Submit a Quality Deficiency Report (QDR)**093-SSG-3004**

Conditions: Given the requirement to submit a quality deficiency report (QDR) for a serious or recurring maintenance problem. You are given the following items: AR 725-50, DA Form 2404, DA Form 2407, DD Form 173/1, DD Form 1575, DD Form 2332, DA Pam 738-750, SF 368, and TB 43-0001-series for equipment used. This task can be performed in a field or garrison environment.

Standards: Identified conditions that indicated a quality deficiency existed, prepared the appropriate report form, and identified and retained QDR exhibits.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified conditions that indicated a quality deficiency exist.	—	—
a. A condition in or with the equipment, which is dangerous to people, other equipment, or the mission.		
b. An item or equipment that did not work right or last as long as it should because of bad design or materials.		
c. Items that were not within the approved equipment specifications.		
d. Low quality workmanship.		
e. Dangerous situations due to incorrect or missing data.		
f. Maintenance problems.		
g. Conditions that prevented using the equipment.		
h. Repeated problems that took a lot of time and no solution in sight.		
i. Problems requested to be reported by the National Maintenance Point (NMP).		
2. Identified Category I deficiencies.	—	—
a. A defect that may have caused death, injury, or severe job illness.		
b. A defect that would have caused loss or major damage to a weapon system.		
c. A defect that would critically restricted the combat readiness capabilities of the unit.		
3. Sent in a Category I deficiency report.	—	—
a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11.		
b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (may be phoned in).		
c. Sent message within 48 hours after defect or problem was found.		
d. Kept one copy of the SF 368 until the Army screening point closed the case.		
e. Sent one copy of the SF 368 to the support maintenance activity.		
NOTE Send SF 368 even if - -		
(1) Correspondence indicated the problem was known to exist (unless corrective action is printed in the Equipment Improvement Recommendation and Digest).		
(2) Other units had sent in a QDR on the same problem.		
f. Identified defective equipment as exhibits.		
4. Identified Category II deficiencies (a defect or recommendation that did not meet the criteria for a Category I deficiency).	—	—

Performance Measures

GO **NO GO**

5. Sent in a Category II deficiency report. _____
- a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11.
 - b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11.
 - c. Sent a message within 5 days after defect or problem was found.
 - d. Kept one copy of the SF 368 until the Army screening point closed the case.
 - e. Send one copy of the SF 368 to the support maintenance activity.

NOTE: Sent SF 368 even if - -

(1) Correspondence indicates the problem was known to exist (unless corrective action was printed in the Equipment Improvement Recommendation and Digest.

(2) Other units had sent in a QDR on the same problem.

- f. Identified defective equipment as exhibits.

6. Retained QDR exhibits: _____
- a. Tagged each exhibit with DD Form 1575, and DD Form 2332 and classified it in a suspended supply condition code in accordance with AR 725-50.
 - b. Ensured exhibits were not taken apart at organizational or support maintenance levels just to see cause of the problem.
 - c. Kept the SF 368 for at least 60 days or until disposition, instructions were received from the responsible command.
 - d. Secured and /or segregated exhibits from all other materiel.

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

- AR 725-50
- DA FORM 2404
- DA FORM 2407
- DA PAM 738-750
- DD FORM 1575
- DD FORM 173/1
- DD FORM 2332
- SF 368
- TB 43-0001-SERIES

Related

- AR 702-7
- AR 702-7-1
- DA PAM 738-751

Submit Equipment Improvement Recommendation (EIR)

093-SSG-3005

Conditions: You have found a better way to repair a piece of electronic equipment. Submit an equipment improvement recommendation (EIR), given the following items AR 672-20, DA Pam 738-750, DD Form 173/1, and SF 368. This task can be performed in a field or garrison environment.

Standards: Prepared the appropriate report forms for a recommended equipment improvement and checked AR 672-20 to see if the EIR qualified as a suggestion.

Performance Measures

	<u>GO</u>	<u>NO GO</u>
1. Suggested a method to improve the performance and /or maintenance of equipment.	—	—
a. A condition in or with the equipment, which is dangerous to people, other equipment, or the mission.		
b. An item or piece of equipment that does not work right or last as long as it should because of bad design or materials.		
c. Items that are not within the approved equipment specifications.		
d. Low-quality workmanship.		
e. Dangerous situations due to incorrect or missing data.		
f. Maintenance problems.		
g. Conditions that prevent using the equipment.		
h. Repeated problems that take a lot of time with no solution in sight.		
i. Problems requested to be reported by the National Maintenance Point (NMP).		
2. Identified Category I improvements.	—	—
a. That prevents death, injury, or severe job illness.		
b. That prevents loss or major damage to equipment.		
c. Improvements that would affect the combat readiness capabilities of the unit.		
3. Sent in a Category I equipment improvement recommendation.	—	—
a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11.		
b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (may be phoned in).		
c. Sent a message within 48 hours after defect or problem was found.		
d. Kept one copy of the SF 368 until the Army screening point closes the case.		
e. Sent one copy of the SF 368 to the support maintenance activity.		
4. Identified Category II recommendation (a recommendation that does not meet the criteria of a Category I equipment improvement recommendation).	—	—
5. Sent in a Category II deficiency report.	—	—
a. Prepared SF 368 in accordance with DA Pam 738-750, Chapter 11.		
b. Prepared DD Form 173/1 in accordance with DA Pam 738-750, Chapter 11 (May be phoned in).		
c. Sent a message within 5 days after defect or problem was found.		
d. Kept one copy of the SF 368 until the Army screening point closes the case.		
e. Sent one copy of the SF 368 to the support maintenance activity.		
6. Checked AR 672-20 to see if the EIR qualified as a suggestion.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References**Required**

AR 672-20
DA PAM 738-750
DD FORM 173/1
SF 368

Related

DA PAM 738-751

Plan Work Flow
093-SSG-3006

Conditions: Perform this task given DA Forms 2407 or DA Form 55988-E/job packets with various issue priority designators, a visible index file showing the shop workload summary, and TM 38-L09-11. This task can be performed in a field or garrison environment.

Standards: Distributed all DA Forms 2407 or DA Form 5988-E/job packets by issue priority designators, highest priorities first. Ensured the visible index file were up to date, legible, and complete according to TM 38-L09-11.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Arranged the DA Forms 2407/job packets by issue priority designators, highest priorities first.	—	—
2. Used the DA Forms 2407/job packets in the same order to assign jobs to repairers.	—	—
3. Monitored the work as the jobs went through the repair process.	—	—
4. Assigned new jobs to the repairers as they completed the one they were assigned.	—	—
5. Reviewed all paper work within the job packets for completeness.	—	—
6. Updated the visible index file.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 2407
DA FORM 2407-1
DA FORM 5990-E
TM 38-L09-11

Related

DA PAM 738-750
DA PAM 738-751
FM 4-30.3

**Direct Performance of Preventive Maintenance
093-SSG-3007**

Conditions: Perform this task given personnel to perform preventive maintenance, DA Form 2408-14, DA Form 2404 or DA Form 5988-E, DD Form 314, DA Pam 738-750, DA Pam 738-751, and Vehicle -10 series technical manuals. This task can be performed in a field or garrison environment.

NOTE: All the information from DA Form 2408-14 is now included in DA Form 5988-E.

Standards: Performed all preventive maintenance checks and services (PMCS) according to the applicable -10 series technical manuals. Completed DA Form 2404 or DA Form 5988-E, DA Form 2408-14, and DD Form 314 according to DA Pam 738-750 or DA Pam 738-751.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Coordinated with the motor pool section before performing section/shop vehicle preventive maintenance checks and services (PMCS).	—	—
2. Reviewed the DD Form 314 and the applicable -10 series technical manuals to conduct weekly vehicle PMCS.	—	—
3. Identified hazards to the environment before starting preventive maintenance.	—	—
4. Assigned jobs and ensured that repairers knew what PMCS must be performed.	—	—
5. Spot-checked the work being performed and ensured that the repairers were using the applicable technical manuals.	—	—
6. Assessed the probability of environmental damage/violations using environmental risk-assessment matrices during preventive maintenance.	—	—
7. Spot-checked corrective actions taken for all defects listed on DA Form 2404.	—	—
8. Coordinated with the maintenance sergeant to repair vehicles requiring services beyond the driver's responsibility.	—	—
a. Ensured the repairer placed a drip pan under any equipment leaking fluids onto the ground.		
b. Made sure parts for repair, which were not available, were entered on DA Form 5988-E or DA Form 2408-14.		
9. Checked the DD Form 314 for correctness.	—	—
10. Reported vehicle statuses to section/shop supervisor.	—	—
11. Briefed the chain of command on any observed environmental potential high-risk areas during preventive maintenance.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 2404
DA FORM 2408-14
DA FORM 5988-E
DA PAM 738-750
DA PAM 738-751
DD FORM 314

Related

AR 200-1
DA PAM 200-1
FM 4-30.3
TC 3-34.489

Provide Technical Assistance to Repairers

093-SSG-3008

Conditions: Given DA Pam 738-750, DA Pam 738-751, TB 385-4 and a repairer in your electronic/avionic maintenance shop requires technical assistance. This task can be performed in a field or garrison environment.

Standards: Provided technical assistance that enabled the repairer to perform the repair procedures correctly.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Determined the type of assistance needed by the repairer, such as isolating the malfunction, repairing the malfunction, or making proper entries on the paperwork.	—	—
2. Reviewed DA Form 2404 or DA Form 5988-E and DA Form 2407 or DA Form 5990-E to determine reason for maintenance or repair.	—	—
3. Verified repairer observed WARNING, CAUTION, and NOTE statements in applicable references and observed all safety precautions.	—	—
4. Reviewed the repair procedures performed by the repairer.	—	—
5. Provided technical assistance to the repairer.	—	—
6. Counseled repairer on areas of technical weakness.	—	—
7. Recommended technical material and training to increase repairer's expertise.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 5988-E
 DA FORM 5990-E
 DA PAM 738-750
 DA PAM 738-751
 TB 385-4

Related

DA FORM 2404
 DA FORM 2407

Perform Initial Inspections
093-SSG-3009

Conditions: Given the applicable technical manuals, equipment to be inspected, DA Form 2404 or DA Form 5988-E, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Performed the initial inspection by ensuring that the equipment was repairable according to the applicable technical manuals, all defects had been found, and all maintenance forms were completed according to DA Pam 738-750 or DA Pam 738-751.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Checked submitted paperwork for completeness and accuracy.	—	—
2. Inspected the equipment for physical damage and determined if it was feasible to repair the equipment.	—	—
3. Ensured that operator maintenance had been performed on the equipment.	—	—
4. Inventoried the equipment to ensure that it was complete.	—	—
5. Ensured that all modification work orders (MWOs) had been completed.	—	—
6. Performed self-tests or checks on the equipment if necessary.	—	—
7. Recorded all defects or reasons for rejecting the equipment on DA Form 2404 or DA Form 5899-E.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 2404
DA FORM 2407
DA FORM 5988-E
DA FORM 5990-E
DA PAM 738-750
DA PAM 738-751

Related

DA PAM 750-1
FM 4-30.3
TM 750-245-4

Perform Final Inspections

093-SSG-3010

Conditions: Given the applicable technical manuals, equipment to be inspected, DA Form 2404 or DA Form 5988-E1, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Perform a final inspection. Ensured that the equipment was complete according to the applicable technical manuals, all defects identified in previous inspections have been corrected, any additional defects have been recorded on DA Form 2404 or DA Form 5988-E, and all forms were completed according to DA Pam 738-750 or DA Pam 738-751.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Checked the equipment to determine if it was complete, that all defects found on the initial, and in-process inspections have been corrected.	—	—
2. Ensured that all forms and records were complete and correct.	—	—
3. Recorded any additional defects on DA Form 2404 or DA Form 5988-E and returned the equipment to production control.	—	—
4. Signed and dated DA Form 2407 or DA Form 5990-E when the equipment passed inspection.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 2404
 DA FORM 2407
 DA FORM 5988-E
 DA FORM 5990-E
 DA PAM 738-750
 DA PAM 738-751

Related

DA PAM 750-1
 FM 4-30.3
 TM 750-245-4

Perform In-Process Inspection
093-SSG-3012

Conditions: Given applicable inspection forms, a repairer performing repairs on equipment, applicable technical manuals, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Perform a in-process inspection. Ensured that the proper tools and equipment were being used and all safety rules and warnings were followed according to the applicable technical manuals. Completed all forms according to DA Pam 738-750 or DA Pam 738-751. Reported inspection results.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured that the proper tools and equipment were used.	—	—
2. Ensured that the proper repair procedures were followed.	—	—
3. Ensured that only authorized repair parts and supplies were used.	—	—
4. Ensured that only authorized repairs were performed on the equipment.	—	—
5. Ensured that only authorized personnel made the repairs.	—	—
6. Ensured that all safety rules and warnings were followed.	—	—
7. Ensured that all forms were filled out correctly.	—	—
8. Made an oral or written report of the inspection to the repair section chief and the quality control section supervisor.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure is performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA PAM 738-750
DA PAM 738-751

Related

FM 4-30.3
TM 750-245-4

Subject Area 13: Maintenance Management I

**Inspect Section/Shop Safety
093-SSG-3001**

Conditions: Perform this task given a requirement to inspect an electronic or avionics maintenance shop area and given the following references: AR 40-5, AR 385-10, DA Pam 40-501, DA Pam 385-1, TB 385-3, TB 385-4, TB MED 523, Unit and local safety standing operating procedures (SOPs), and Unit Safety Checklist. This task can be performed in a field or garrison environment.

Standards: Inspection was conducted to ensure that all Army, company, and maintenance shop safety policies, regulations and local SOPs were followed; all safety hazards were identified; environmental risk assessment to determine high-risk areas was performed, and all deficiencies were corrected. Established an inspection schedule regarding what to inspect and how frequently. Recorded deficiencies and recommended corrective actions and retained these reports to check progress. Followed up to ensure deficiencies had been corrected.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the Army, company, and maintenance shop safety policies, regulations, and local SOPs.	—	—
2. Ensured that all of the Army safety references and company and maintenance shop SOPs were being followed.	—	—
3. Planned inspections so that all areas were covered periodically. <ul style="list-style-type: none"> a. Identified hazards to the environment before the inspection process. b. Assessed the probability of environmental damage/violations using environmental risk-assessment matrices before the inspection process. 	—	—
4. Scheduled the inspection so that normal operations were disrupted as little as possible.	—	—
5. Inspected areas with the greatest potential for accident severity and those having the highest accident frequency more frequently.	—	—
6. Developed a suitable checklist of items to be inspected in accordance with AR 385-10, AR 40-5, DA Pam 40-501, DA Pam 385-1, TB 385-3, TB 385-4, TB MED 523, and maintenance section/shop SOPs.	—	—
7. Inspected the maintenance section/shop to ensure that all test equipment calibration dates were current.	—	—
8. Inspected the maintenance section/shop to ensure that all equipment and benches were properly grounded.	—	—
9. Inspected the maintenance section/shop to ensure that a mounted safety board was present.	—	—
10. Inspected the maintenance section/shop to ensure that rubber floor mats or similar insulating materials were provided for each repair position.	—	—

Performance Measures	<u>GO</u>	<u>NO GO</u>
11. Inspected the maintenance section/shop to ensure that all power attachments, plugs, and connectors were serviceable with no exposed current-carrying parts except the prongs.	—	—
12. Inspected the maintenance section/shop to ensure that all physical and high-voltage hazards had been identified.	—	—
13. Inspected the maintenance section/shop to ensure it was complying with host nation, local, state and federal environmental laws and regulations.	—	—
14. Briefed the chain of command on the results, potential high-risk areas, and recommendations from the safety inspection.	—	—
15. Identified all safety hazards and took corrective action.	—	—
16. Ensured that any deficiencies found were corrected.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

- AR 385-10
- AR 40-5
- DA PAM 385-1
- DA PAM 40-501
- TB 385-3
- TB 385-4
- TB MED 523

Related

- AR 200-1
- AR 385-40
- DA PAM 200-1
- FM 3-04.500
- FM 4-30.3
- TB 43-0129
- TC 3-34.489

**Manage Section/Shop Security
093-SSG-3002**

Conditions: Given AR 190-13, AR 380-5, AR 380-19, AR 380-40, DA Pam 190-51, FM 19-30, and local and unit standing operating procedures (SOPs). This task can be performed in a field or garrison environment.

Standards: Ensured that all Army security policies and regulations and the maintenance shop and local SOPs were followed. Identified and reported all security deficiencies and ensured that all deficiencies were corrected.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed all of the Army security policies and regulations and the maintenance shop and local SOPs.	—	—
2. Ensured a work place risk analysis was performed.	—	—
3. Ensured that physical security policies, regulations, and SOPs were followed.	—	—
4. Ensured that classification and marking policies were followed.	—	—
5. Ensured that all security control policies and regulations were followed.	—	—
6. Ensured that personnel security and signal training policies were followed: <ul style="list-style-type: none"> a. Initial security training and briefing for newly assigned personnel. b. Refresher security training for assigned personnel. c. Procedures for identifying and reporting insecurities. 	—	—
7. Ensured that signal security (SIGSEC) policies and regulations were followed: <ul style="list-style-type: none"> a. Ensured subordinates followed all Army and unit policies and regulations covering communications security (COMSEC) procedures. b. Ensured subordinates followed all Army and unit policies and regulations covering electronic security (ELSEC) procedures. 	—	—
8. Identified and reported all security deficiencies and ensured that all deficiencies were corrected.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

AR 190-13
 AR 380-19
 AR 380-40
 AR 380-5
 DA PAM 190-51
 FM 3-19.30

Related

AR 5-12
 DA PAM 25-380-2
 FM 24-33
 FM 34-60
 FM 4-30.3

**Maintain Section/Shop Calibration Program
093-SSG-3003**

Conditions: Given the maintenance section/shop calibration program, TB 43-180, TB 750-25, and company SOP. The following resources will be available: DA Form 3758-R, DA Label 80, TMDE master listing for the maintenance section/shop calibration program, and company SOP. This task can be performed in a field or garrison environment.

Standards: Maintained a master listing for all calibrated equipment assigned to the maintenance section/shop in accordance with TB 43-180, TB 750-25, and company SOPs. Reviewed the section/shop calibration listing for equipment due calibration on a monthly basis and updated status on all calibration equipment still turned in to the calibration support unit.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Identified all equipment listed on section/shop hand-receipts that might require a calibration label:	—	—
a. Test equipment.		
b. Equipment modules.		
c. Dummy loads.		
d. Voltage test probes.		
e. Radiac equipment.		
f. Motor pool equipment.		
g. Power supplies.		
2. Determined which equipment identified was listed in TB 43-180:	—	—
a. Identified equipment-requiring calibration.		
b. Identified equipment for which calibration was not required (CNR).		
3. Prepared DA Form 3758-R if any new equipment not listed in TB 43-180 required calibration.	—	—
4. Maintained a master listing for all calibration items in the maintenance section/shop.	—	—
5. Scheduled equipment for calibration:	—	—
a. Staggered like equipment, when possible, so that there was always equipment available on site.		
b. Assigned a higher priority for critical TMDE when necessary.		
c. Scheduled plug-in modules and accessories for calibration with the major piece of equipment.		
d. Reviewed signature cards and orders, as required locally, to update customer files and for the first appointment.		
6. Prepared CNR labels, as required, for remaining equipment.	—	—
7. Turned in/picked up equipment from the calibration facility:	—	—
a. Turned in equipment with a minimum of accessories and covers.		
b. Obtained signed and dated receipt for equipment.		
c. Inspected equipment for damage and accessories before signing.		
d. Obtained calibration listings when available.		
8. Updated calibration listing:	—	—
a. Verified calibration due dates.		
b. Deleted entries.		
c. Added entries.		
9. Maintained a temporary storage area for calibrate before use (CBU) equipment:	—	—

Performance Measures**GO** **NO GO**

- a. Identified CBU equipment as appropriate.
- b. Identified a limited access storage area.
- c. Prepared DA Label 80 for CBU.
- d. Updated calibration listing for CBU items.
- e. Stored equipment until required.
- f. Had equipment calibration prior to use.

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References**Required**

DA FORM 3758-R
DA LABEL 80
TB 43-180
TB 750-25

Related

**Write a Standing Operating Procedure (SOP)
093-SSG-3011**

Conditions: Given the unit's old standing operating procedure (SOP), AR 750-1, DA Pam 600-67, FM 4-30.3 (FM 9-43-1), FM 24-16, FM 101-5, and TC 43-4. This task can be performed in a field or garrison environment.

Standards: Wrote a standing operating procedure (SOP) that was reviewed by the supervisor/commander and approved by the commander/supervisor. Implemented all recommended changes.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Developed a basic SOP format to ensure it met organization's/element's specific needs and/or requirements for the maintenance facility: <ul style="list-style-type: none"> a. Purpose statement. b. Scope statement. c. Organization statement. d. Conformity statement. e. References. f. Annex (es). 	—	—
2. Included guidance in the SOP on the following as they pertained only to the maintenance facility: <ul style="list-style-type: none"> a. Personnel administration. b. Security. c. Security and intelligence. d. Area security. e. Physical security of weapons and property. f. Safety program. g. Maintenance operations. h. Management of Hand receipts. i. Standard warnings. j. Alert procedures. k. Nuclear, biological, and chemical (NBC) warfare. l. Defense against nuclear attack. m. Logistics. n. Motor pool operations. o. Motor movement and traffic control. p. Tactical operations. 	—	—
3. Ensured that all references used were current.	—	—
4. Staffed the draft through the supervisor/commander.	—	—
5. Implemented any approved SOP changes.	—	—
6. Had the final version of the SOP signed by the supervisor/commander.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required
AR 750-1
DA PAM 600-67

Related

References

Required

FM 101-5
FM 24-16
FM 4-30.3
TC 43-4

Related

**Maintain Property Accountability
093-SSG-3013**

Conditions: Perform this task given a quarterly reviewed of all hand receipts with hand-receipt holders in the maintenance section/shop, issued new equipment, and tagged unserviceable equipment for turn-in; AR 25-400-2, AR 710-2, DA Form 2062, DA Pam 710-2-1, Hand receipts, applicable equipment, and applicable technical manuals. This task can be performed in a field or garrison environment.

Standards: Issued supplies and equipment to hand-receipt holders while maintaining property and supply accountability.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Notified hand-receipt holders of quarterly inventory.	—	—
2. Reviewed file copies of all hand receipts and signature cards for each maintenance section/shop.	—	—
3. Assembled all new equipment to be issued into separate groups for issuing to hand-receipt holders during the quarterly inventory.	—	—
4. Issued new equipment to hand-receipt holders before inventorying.	—	—
5. Inventoried hand-receipts.	—	—
6. Updated each hand-receipt holder's equipment shortage list as needed.	—	—
7. Ensured that only authorized personnel on the hand-receipt holder signature card signed the hand receipt.	—	—
8. Ensured that all forms were filled out correctly.	—	—
9. Filed hand receipts in appropriate hand-receipt holder files.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

AR 25-400-2

AR 710-2

DA FORM 2062

DA PAM 710-2-1

Related

**Assess Battlefield Damage
093-SSG-3014**

Conditions: Supervise the performance of an organizational maintenance team or a direct support maintenance support team (MST) performing Battlefield Assessment given a disabled vehicle or equipment, repairers to assess the equipment, applicable technical manuals -10, -20, -30, repair parts manuals, tool kits, DA Form 2404 or DA Form 5988-E, DA Form 2407 or DA Form 5990-E, DA Pam 738-750, DA Pam 738-751, DD Form 1577, DD Form 1577-1, DD Form 1577-2, DD Form 1577-3, FM 4-30.3 (FM 9-43-1), and FM 9-43-2. This task can be performed in a field or garrison environment.

Standards: Supervised the organizational maintenance team or direct support maintenance support team (MST) that identifies and performs repairs needed to restore a disable piece of equipment to the minimum essential combat capabilities necessary to support a specific combat mission or to enable the equipment to self-recover. Completed all required paper work according to DA Pam 738-750, DA Pam 738-751, FM 4-30.3 (FM 9-43-1), and FM 9-43-2.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Briefed the organizational maintenance team or direct support maintenance support team (MST) on the upcoming mission to assess battlefield damage: <ul style="list-style-type: none"> a. Identified point of contact at unit/site. b. Identified the equipment was to be assessed for battlefield damage. c. Identified the equipment was needed for the upcoming mission. d. Explained Logistics support. e. Planned primary and secondary routes to unit. f. Ensured team received a copy of supported units' radio frequencies and call signs. 	—	—
2. Monitored assigned personnel to the team according to their qualifications and availability to meet the mission needs.	—	—
3. Arranged for transportation to the site.	—	—
4. Ensured that the proper battlefield assessment procedures were followed: <ul style="list-style-type: none"> a. Reviewed the operator/crew assessment and the safety checks made. b. Interviewed the operator/crew if available. c. Conducted visual inspection. d. Performed self-test. e. Tested equipment with the organizational/direct support maintenance equipment. 	—	—
5. Ensured that maintenance support team (MST) provided technical assistance to the organizational maintenance team as required.	—	—
6. Ensured that maintenance support team (MST) prioritized repairs according to battlefield damage time guidelines.	—	—
7. Ensured that all required maintenance forms were filled out correctly in accordance with DA Pam 738-750 and DA Pam 738-751: <ul style="list-style-type: none"> a. DA Form 2404 or DA Form 5988-E. b. DA Form 2407 or DA Form 5990-E. c. DD Form 1577. d. DD Form 1577-1 e. DD Form 1577-2 f. DD Form 1577-3 	—	—
8. Ensured a system assessment summary was filled out correctly and turned in.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA FORM 2404
DA FORM 2407
DA FORM 5988-E
DA FORM 5990-E
DA PAM 738-750
DA PAM 738-751
DD FORM 1577
DD FORM 1577-1
DD FORM 1577-2
DD FORM 1577-3
FM 4-30.3

Related

FM 4-30.3
TM 750-245-4

**Manage Demand Supported Repair Parts Listed on the Prescribed Load List (PLL)
093-SSG-3015**

Conditions: This task will be conducted during the normal performance of your daily duties within an electronic/avionics maintenance shop. You will manage demand-supported repair parts for an electronic/avionics maintenance shop given the following items: AR 710-2, DA Pam 710-2-1, DA Form 2063-R, DA Form 2064, DA Form 3318, copy of FEDLOG discs, unit's initial mandatory parts list (IMPL), unit's prescribed load list (PLL), and technical part manuals. This task can be performed in a field or garrison environment.

Standards: Completed review and corrected the PLL in accordance with the equipment technical parts manual, AR 710-2, and DA Pam 710-2-1 for the electronic/avionic repair parts listed on the PLL.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Reviewed the units prescribed load list (PLL) for electronic/avionics maintenance shop's repair parts.	—	—
2. Verified that the electronic/avionics shop's repair parts qualify to be on the PLL list.	—	—
3. Reviewed demand-supported unit maintenance repair parts documents and ensured they met the following: <ul style="list-style-type: none"> a. Three demands were made within the control period of 180 days for active army. b. Parts are essential and have a maintenance use code of "O". (Except for non-tactical telecommunications systems, air traffic control, or lifesaving systems). 	—	—
4. Reviewed non-demand-supported unit maintenance repair parts documents and ensured they met the following: <ul style="list-style-type: none"> a. Approved by the first general officer staff level in the chain of command is required in order to stock? b. Parts essential and has a maintenance use code of "O". (Except for non-tactical telecommunications systems, air traffic control, or lifesaving systems). 	—	—
5. Reviewed the initial stockage of repair parts for newly introduced end items as identified by support list allowance card (SLAC) deck: <ul style="list-style-type: none"> a. The stockage level will not be reduced the first year. b. If the end item is under warranty, the one-year will begin on expiration of warranty. 	—	—
6. Reviewed the mandatory stockage of repair parts as identified in the initial mandatory parts list (IMPL).	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

AR 710-2
DA FORM 2063-R
DA FORM 2064
DA FORM 3318
DA PAM 710-2-1
FEDLOG

Related

FM 4-30.3

**Monitor Bench Stock Operations
093-SSG-3016**

Conditions: Perform this task given AR 710-2, DA Pam 710-2-2, and a copy of FEDLOG discs. This task can be performed in a field or garrison environment.

Standards: Maintained bench stock in according with AR 710-2 and DA Pam 710-2-2.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured that the bench stock was made up of low-cost expendable items.	—	—
2. Ensured that the bench stock was stored near the work area.	—	—
3. Ensured that bench stock replenishment tags and lists were maintained with the bench stock.	—	—
4. Ensured that bench stock was ordered on a prescribed schedule or as needed.	—	—
5. Ensured that the bench stock was ordered under the correct Urgency of Need Designator (UND).	—	—
6. Ensured that the bench stock was reviewed semiannually.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

AR 710-2
DA PAM 710-2-2
FEDLOG

Related

**Monitor Shop Stock Operations
093-SSG-3017**

Conditions: Perform this task given a current copy of the shop stock list, AR 710-2, DA Pam 710-2-2, and a copy of FEDLOG discs. This task can be performed in a field or garrison environment.

Standards: Maintained the shop stock according to AR 710-2 and DA Pam 710-2-2.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured repair parts and consumables listed on the shop stock met the criteria listed in AR 710-2 and DA Pam 710-2-2.	—	—
2. Ensured each item was demand-supported.	—	—
3. Ensured stockage levels were developed in accordance with DA Pam 710-2-2.	—	—
4. Ensured excess stocks were turned in within 10 days of review.	—	—
5. Ensured replenishment of stock was based on the reorder point (ROP).	—	—
6. Ensured controlled cryptographic item (CCI) repair parts required by Communications Security (COMSEC) maintenance activities for diagnostic purpose were hand receipted on temporary loan.	—	—
7. Ensured the shop stock was inventoried during the scheduled review period.	—	—
8. Ensured the shop stock list was signed by the unit commander and submitted to the supply support activity (SSA).	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

- AR 710-2
- DA PAM 710-2-2
- FEDLOG

Related

**Inspect Maintenance Support Team Operations
093-SSG-3019**

Conditions: Perform this task given the necessary personnel to perform an electronic/avionics maintenance support team operation, DA Pam 611-21, DA Pam 738-750, DA Pam 738-751, and FM 4-30.3 (FM 9-43-1). This task can be performed in a field or garrison environment.

Standards: Ensured the correct military occupational specialty holders are assigned to a support team, briefed, and provided with transportation.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Monitored assigned personnel according to their qualifications and availability.	—	—
2. Arranged for transportation to the site.	—	—
3. Briefed the support team on mission requirements.	—	—
a. Identified point of contact at unit.		
b. Identified equipment needed for the support mission.		
c. Explained logistics support.		
d. Planned primary and secondary routes to unit.		
e. Ensured team received a copy of supported units' radio frequencies and call signs.		
4. Provided technical assistance to the support team as required.	—	—
5. Ensured that all maintenance forms were filled out correctly.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

DA PAM 611-21
DA PAM 738-750
DA PAM 738-751
FM 4-30.3

Related

FM 3-25.26
STP 21-1-SMCT
STP 21-24-SMCT

**Inspect Maintenance Reporting and Management Data
093-SSG-3020**

Conditions: As a senior repairer, one of your responsibilities is to inspect the paperwork used in an electronic/avionics maintenance facility. You must inspect and manage all of the maintenance forms and records used in reporting the maintenance status for equipment repaired in the maintenance facility. The following forms, records and publications will be available if needed for each piece of equipment job-ordered: DA Form 2402, DA Form 2404, DA Form 2405, DA Form 2407, DA Form 2407-1, DA Form 2408-12, DA Form 2408-13, DA Form 2408-13-1, DA Form 2410, DD Form 1574, DD Form 1574-1, DD Form 1575, DD Form 1575-1, DD Form 1576, DD Form 1576-1, DD Form 1577, DD Form 1577-1, DD Form 1577-2, DD Form 1577-3, DA Pam 738-750, and DA Pam 738-751. This task can be performed in a field or garrison environment.

Standards: Inspect the electronic/avionics maintenance forms and records for errors and forms missing from the job packets.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Located closed-out and active job order packets within the electronic/avionics maintenance facility.	—	—
2. Matched all job-ordered equipment serial numbers with closed-out and active job packets within the electronic/avionics maintenance facility.	—	—
3. Ensured that all required forms and records were in the job order packets.	—	—
4. Verified all forms and records within the job packets were properly completed.	—	—
5. Ensured that all discrepancies had been corrected.	—	—
6. Ensured that all forms and reports were distributed or filed in accordance with Department of Army Pamphlets and Army Regulations.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required

- DA FORM 2402
- DA FORM 2404
- DA FORM 2405
- DA FORM 2407
- DA FORM 2407-1
- DA FORM 2408-12
- DA FORM 2408-13
- DA FORM 2408-13-1
- DA FORM 2410
- DA PAM 738-750
- DA PAM 738-751
- DD FORM 1574
- DD FORM 1574-1
- DD FORM 1575

Related

- FM 4-30.3
- TM 38-L09-11

References

Required

DD FORM 1575-1
DD FORM 1576
DD FORM 1576-1
DD FORM 1577
DD FORM 1577-1
DD FORM 1577-2
DD FORM 1577-3

Related

**Review SAMS-1 Reports
093-SSG-3021**

Conditions: Perform this task given SAMS-1 system installed, completed set of required SAMS-1 reports and forms, AISM 25-L21-AHN-ZZZ-EM, DA Pam 738-750, DA Pam 738-751, and FM 4-30.3 (FM 9-43-1). This task can be performed in a field or garrison environment.

NOTE: This task may be performed in an NBC environment.

Standards: Review all required SAMS-1 reports and forms and corrected discrepancies according to AISM 25-L21-AHN-ZZZ-EM and DA Pam 738-750 or DA Pam 738-751. Filed all reports properly and forwarded copies as required.

Performance Measures	<u>GO</u>	<u>NO GO</u>
1. Ensured that all required SAMS-1 reports and forms required for electronic/avionics maintenance operations were being used.	—	—
2. Reviewed new copies of all SAMS-1 reports and forms needed to run the electronic/avionics maintenance operations.	—	—
3. Compared the previous SAMS-1 reports and forms with the newly printed reports and forms for discrepancies.	—	—
4. Reviewed the new SAMS-1 reports and forms for discrepancies.	—	—
5. Ensured that all discrepancies were corrected.	—	—
6. Ensured that all SAMS-1 reports and forms were distributed or filed in accordance with Army regulations.	—	—

Evaluation Guidance: Score the soldier Go if all performance measures are performed correctly. Score the soldier No Go if any performance measure was performed incorrectly. If the soldier fails any performance measure, show the soldier what was done wrong and how to perform it correctly.

References

Required	Related
AISM 25-L21-AHN-ZZZ-EM	
DA PAM 738-750	
DA PAM 738-751	
FM 4-30.3	

APPENDIX A

**HANDS-ON EVALUATION (DA FORM 5164-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

DA Form 5164-R, Hands-On Evaluation, allows the trainer to keep a record of the performance measures a soldier passes or fails on each task.

Before evaluation:

1. Obtain a blank copy of DA Form 5164-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Enter the task title and 10-digit number from the STP task summary.
3. In column a, enter the performance measure numbers from the task summary.
4. In column b, enter the performance measure corresponding to the number in column a (you may abbreviate this information if necessary).
5. Locally reproduce the partially completed form when evaluating more than one soldier on the task or when evaluating the same soldier more than once.

During evaluation:

1. Enter the date just before evaluating the soldier's task performance.
2. Enter the evaluator's name, the soldier's name, and the unit.
3. For each performance measure in column b, enter a check in column c (PASS) or column d (FAIL), as appropriate.
4. Compare the number of performance measures the soldier passes (and, if applicable, which ones) against the task standards specified in the task summary. If the standards are met or exceeded, check the GO block under STATUS; otherwise, check the NO-GO block.

Sample DA Form 5164-R (Hands-On Evaluation)

APPENDIX B**FIELD EXPEDIENT SQUAD BOOK (DA FORM 5165-R)
INSTRUCTIONS
(Excerpted from STP 21-24-SMCT, Appendix C)**

DA Form 5165-R (Field Expedient Squad Book) allows the trainer to keep a record of task proficiency for a group of soldiers.

Before evaluation:

1. Obtain a blank copy of DA Form 5165-R, which you may locally reproduce on 8 ½" x 11" paper.
2. Locally reproduce the partially completed form if you are evaluating more than nine soldiers.

During evaluation:

1. Enter the names of the soldiers you are evaluating, one name per column, at the top of the form.
2. Under STATUS, record (in pencil) the date in the GO block if the soldier demonstrated task proficiency to soldiers' manual standards. Keep this information current by always recording the most recent date on which the soldier demonstrated task proficiency. Record the date in the NO-GO block if the soldier failed to demonstrate task proficiency to soldiers' manual standards. Soldiers who failed to perform the task should be retrained and reevaluated until they can meet the standards. When the standards are met, enter the date in the appropriate GO block and erase the previous entry from the NO-GO block.

After evaluation:

1. Read down each column (GO/NO-GO) to determine the training status of an individual. This will give you a quick indication of which tasks a soldier need training on.
2. Read across the rows for each task to determine the training status of all soldiers. You can readily see which tasks to focus training on.
3. Line through the STATUS column of any soldier who leaves the unit.

GLOSSARY

ACCP	Army Correspondence Course Program
AIPD	Army Institute for Professional Development
AIT	advanced individual training
AN	annually
AR	Army regulation
ARTEP	Army Training and Evaluation Program
BA	biannually
BCT	basic combat training
BNCOC	Basic Noncommissioned Officers Course
BW	biweekly
DA	Department of the Army
DA Form	Department of the Army form
DA Pam	Department of the Army pamphlet
FM	Field Manual (FM)
FM(1)	frequency modulation
HQ TRADOC	Headquarters, Training and Doctrine Command
IAW	in accordance with
METL	mission essential task list
MO	monthly
MOS	military occupational specialty
MOSC	military occupational specialty code
NCO	noncommissioned officer
Q	quarterly
QDR	Quality Deficiency Report
SA	staging area
SL	skill level
SM	soldier's manual

SMCT	soldier's manual of common tasks
SOP	standing operating procedure
STP	soldier training publication
TB	technical bulletin
TB MED	technical bulletin (medical)
TG	trainer's guide
TM	technical manual
WK	weekly

REFERENCES

Required Publications

Required publications are sources that users must read in order to understand or to comply with this publication.

Army Regulations

AR 190-13	The Army Physical Security Program (This Item is Included on EM 0001). 30 September 1993
AR 25-400-2	The Modern Army Record Keeping System (MARKS) (This Item is Included on EM 0001) 1 October 2000
AR 380-19	Information Systems Security (This Item is Included on EM 0001) 27 February 1998
AR 380-40	(O) Policy for Safeguarding and Controlling Communications Security (COMSEC) Material (U) 30 June 2000
AR 380-5	Department of the Army Information Security Program (This Item is Included on EM 0001) 29 September 2000
AR 385-10	The Army Safety Program 23 May 1988
AR 40-5	Preventive Medicine (This Item is Included on EM 0001) 15 October 1990
AR 672-20	Incentive Awards (This Item is Included on EM 0001) 1 June 1993
AR 710-2	Inventory Management Supply Policy Below the Wholesale Level (This Item is on EM 0001) 31 October 1997
AR 725-50	Requisition, Receipt, and Issue System (This Item is Included on EM 0001) 15 November 1995
AR 750-1	Army Materiel Maintenance Policy and Retail Maintenance Operations (This Item is Included on EM 0001) 1 August 1994

Department of Army Forms

DA FORM 2028	Recommended Changes to Publications and Blank Forms (This Item is Included on EM 0001) 1 February 1974
DA FORM 2062	Hand Receipt/Annex Number (This Item is Included on EM 0001) 1 January 1982
DA FORM 2063-R	Prescribed Load List 1 January 1982
DA FORM 2064	Document Register for Supply Actions (This Item is Included on EM 0001) 1 January 1982
DA FORM 2402	Exchange Tag 1 December 1985
DA FORM 2404	Equipment Inspection and Maintenance Worksheet (This Item is Included on EM 0001) 1 April 1979
DA FORM 2405	Maintenance Request Register 1 April 1962
DA FORM 2407	Maintenance Request 1 July 1994
DA FORM 2407-1	Maintenance Request - Continuation Sheet 1 July 1994
DA FORM 2408-12	Army Aviator's Flight Record (This Item is Included on EM 0001) 1 January 1992
DA FORM 2408-13	Aircraft Status Information Record (This Item is Included on EM 0001) 1 October 1991
DA FORM 2408-13-1	Aircraft Maintenance and Inspection Record (This Item is Included on EM 0001) 1 October 1997
DA FORM 2408-14	Uncorrected Fault Record (This Item is Included on EM 0001) 1 June 1994

DA FORM 2410	Component Removal and Repair/Overhaul Record (This Item is Included on EM 0001) 1 October 1997
DA FORM 3318	Records of Demands-Title Insert (This Item is Included on EM 0001) 1 January 1982
DA FORM 3758-R	Calibration and Repair Requirements Worksheet (LRA) (This Item is Included on EM 0001) 1 December 1996
DA FORM 5164-R	Hands-On Evaluation (LRA) (This Item is Included on EM 0001) 1 September 1985
DA FORM 5165-R	Field Expedient Squad Book (LRA) (This Item is Included on EM 0001) 1 September 1985
DA FORM 5988-E	Equipment Inspection Maintenance Worksheet (EGA) 1 March 1991
DA FORM 5990-E	Maintenance Request 1 March 1991

Department of Army Pamphlets

DA PAM 190-51	Risk Analysis for Army Property (This Item is Included on EM 0001) 30 September 1993
DA PAM 350-59	Army Correspondence Course Program Catalog (This Item is Included on EM 0001) 1 October 2000
DA PAM 385-1	Small Unit Safety Officer/NCO Guide 22 September 1993
DA PAM 40-501	Hearing Conservation Program (This Item is Included on EM 0001) 10 December 1998
DA PAM 600-67	Effective Writing for Army Leaders (This Item is Included on EM 0001) 2 June 1986
DA PAM 611-21	Military Occupational Classification and Structure (This Item is Included on EM 0001) 31 March 1999
DA PAM 710-2-1	Using Unit Supply System (Manual Procedures) (Standalone Pub) (This Item is on EM 0001) 31 December 1997
DA PAM 710-2-2	Supply Support Activity Supply System: Manual Procedures (This Item is on EM 0001) 30 September 1998
DA PAM 738-750	Functional Users Manual for The Army Maintenance Management System (TAMMS) (This Item is Included on EM 0001) 1 August 1994
DA PAM 738-751	Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A) (This Item is Included on EM 0001) 15 March 1999
DA PAMPHLET 738-750	Functional Users Manual for the Army Maintenance Management System (TAMMS) 1 August 1994

Field Manuals

FM 101-5	Staff Organization and Operations 31 May 1997
FM 24-16	Communications-Electronics Operations, Orders, Records, and Reports 7 April 1978
FM 25-100	Training The Force 15 November 1988
FM 25-101	Battle Focused Training 30 September 1990
FM 25-4	How to Conduct Training Exercises 10 September 1984
FM 3-19.30	Physical Security (This Item is Included on EM 0028) 8 January 2001
FM 4-30.3	Maintenance Operations and Procedures 1 September 2000

Lubrication Orders

LO 11-5840-354-20	Radar Sets, AN/TPQ-36(V)1 (NSN 5840-01-043-4257) AN/TPQ-36(V)3 (5840-01-185-4244) and AN/TPQ-36(V)5 (5840-01-229-1276) 15 July 1987
-------------------	---

Other Product Types

AISM 25-L21-AHN-ZZZ-EM	Standard Army Maintenance System Level 1(SAMS-1) End User Manual 1 June 1997
DA LABEL 80	U.S. Army Calibrated Instrument 1 December 1977
DD FORM 1574	Serviceable Tag - Materiel 1 October 1966
DD FORM 1574-1	Serviceable Label - Materiel 1 October 1966
DD FORM 1575	Suspended Tag - Materiel 1 October 1966
DD FORM 1575-1	Suspended Label - Materiel 1 October 1966
DD FORM 1576	Test/Modification Tag - Materiel 1 October 1966
DD FORM 1576-1	Test/Modification Label - Materiel 1 October 1966
DD FORM 1577	Unserviceable (Condemned) Tag - Materiel 1 October 1966
DD FORM 1577-1	Unserviceable (Condemned) Label - Materiel 1 October 1966
DD FORM 1577-2	Unserviceable (Repairable) Tag - Materiel 1 October 1966
DD FORM 1577-3	Unserviceable (Repairable) Label - Materiel 1 October 1966
DD FORM 173/1	Joint Message Form 1 March 1979
DD FORM 2332	Materiel Deficiency Exhibit 1 May 1984
DD FORM 314	Preventive Maintenance Schedule and Record (This Item is Included on EM 0001) 1 December 1953
ERPSL 11-5840-363-24P	Essential Repair Parts Stockage List (ERPSL) and Recommended Support Items List (RSL) to Support Fire-finder Radar Sets: AN/TPQ- 36(V) Mortar Locating Radar and AN/TPQ-37(V) Artillery Locating Radar 30 May 1997
FEDLOG	S&I Cdr, USAMC Logistics Support 1 October 2000
SF 368	Product Quality Deficiency Report (This Item is Included on EM 0001) 1 October 1985

Soldier Training Publications

STP 21-1-SMCT	Soldier's Manual Of Common Tasks Skill Level 1, 01 October 1994
STP 21-24-SMCT	Soldier's Manual Of Common Tasks (SMCT) Skill Level 2-4, 01 October 1992

Technical Bulletins

TB 385-3	Fire Prevention and Protection: Military Gasoline Cans 7 June 1968
TB 385-4	Safety Requirements for Maintenance of Electrical and Electronic Equipment (This Item is Included on EM 0128) 1 August 1992
TB 43-0001-SERIES	Equipment Improvement Report and Maintenance Digest for Tank, Automotive, Armament and Chemical Equipment 1 October 2000
TB 43-180	Calibration and Repair Requirements for the Maintenance of Army Materiel (This Item is Included on EM 0022) 1 December 2000
TB 750-25	Maintenance of Supplies and Equipment: Army Test, Measurement and Diagnostic Equipment (TMDE) Calibration and Repair Support (C&RS) Program (This Item is Included on EM 0022) 1 March 1997
TB MED 523	Control of Hazards to Health from Microwave and Radio Frequency Radiation and Ultrasound 15 July 1980

Technical Manuals

TM 11-5840-298-35	Direct Support, General Support, and Depot Maintenance Manual: Radar Sets AN/PPS-5 . . . AN/PPS-5A . . . and AN/PPS-5B, 17 January 1969
TM 11-5840-347-13	Operator's, Organizational, and Direct Support Maintenance Manual for Radar Set AN/PPS-15A (V) 1 28 April 1978

TM 11-5840-354-10	Operator's Manual for Radar Set AN/TPQ-36 (V)3 . . . and AN/TPQ-36(V)5 15 May 1992
TM 11-5840-354-10-HR	Hand Receipt Manual Covering Content of Components of End Item (COEI), Basic Issue Item and Additional Authorization Lists for Radar Set, AN/TPQ-36 (NSN 5840-01-043-4257) 10 March 1981
TM 11-5840-354-20	Unit Maintenance Manual (Antenna/Transceiver Removal and Installation Procedures) for Radar Sets AN/TPQ-36 (V)3 (NSN 5840-01-185-4244) (EIC: N/A) and AN/TPQ-36(V)5 (5840-01-229-1276) (EIC: IYE) 1 June 1993
TM 11-5840-354-20-1	Organizational Maintenance Manual (Functional Description and Maintenance) for Radar Sets AN/TPQ-36 (V)1 . . . AN/TPQ-36(V)3 . . . and AN/TPQ-36(V)5 30 June 1983
TM 11-5840-354-20P	Organizational Maintenance Repair Parts and Special Tools Lists for AN/TPQ-36 (V)1 Radar Set (US Version, 64K Memory)...and AN/TPQ-36(V)3 Radar Set (FMS Version, 64K Memory) and AN/TPQ-36(V)5 Radar Set (US Version, 128K Memory) 1 March 1987
TM 11-5840-354-30-1	Direct Support Maintenance Manual (Functional Description and Maintenance) for Antenna-Transceiver Group, OY-71 (V)/TPQ-36 (Trailer) . . . Used w/Radar Set, AN/TPQ-36 1 June 1993
TM 11-5840-354-30-2	Direct Support Maintenance Manual Schematics and Wire Lists for Antenna-Transceiver Group, OY-71 (V)1/TPQ-36(V) (Trailer) . . . Used with Radar Set, AN/TPQ-36(V). 22 June 1981. 1 June 1993
TM 11-5840-354-30-3	Direct Support Maintenance Manual (Extended Troubleshooting) for Antenna-Transceiver Group (Trailer) OY-71/TPQ-36 (V) (NSN 5840-01-084-5293) (EIC:N/A) used with Radar Set AN/TPQ-36 (V) 15 May 1992
TM 11-5840-354-34P	Direct Support and General Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) for AN/TPQ-36 (V)1 Radar Set . . . and AN/TPQ-36(V)3 Radar Set . . . and AN/TPQ-36(V)5 Radar Set 1 March 1987
TM 11-5840-355-10-1	Operator's Manual for Radar Set, AN/TPQ-37 (V)1 . . . and AN/TPQ-37(V)2 . . . AN/TPQ-37(V)5 . . . and AN/TPQ-37(V)6. 20 July 1981
TM 11-5840-355-10-2	(C) Radar Set, AN/TPQ-37(V) 29 May 1981
TM 11-5840-355-20-1	Organizational Maintenance Manual (Functional Description and Maintenance) for Radar Sets, AN/TPQ-37 (V)1 . . . AN/TPQ-37(V)2 . . . AN/TPQ-37(V)5 and AN/TPQ-37(V)6. 1 October 1981
TM 11-5840-355-20-2	Organizational Maintenance Manual (Antenna Removal and Installation Procedures) for Radar Set, AN/TPQ-37 (V)1 . . . AN/TPQ-37(V)2 . . . and AN/TPQ-37(V)6. 1 October 1981
TM 11-5840-355-20-3	Organizational Maintenance Manual (Transceiver Removal and Installation Procedures) Radar Sets AN/TPQ-37 (V)1 . . . AN/TPQ-37(V)2 . . . AN/TPQ-37(V)5 . . . and AN/TPQ-37(V)6. 1 October 1981
TM 11-5840-355-20P	Organizational Maintenance Repair Parts and Special Tools List for Radar Set AN/TPQ-37 (V)5...AN/TPQ-37(V)6...and Generator-Power Distribution Group OA-9018/TPQ-37(V) (5840-01-086-4727) 1 April 2001
TM 11-5840-355-30-1	Direct Support Maintenance Manual (Functional Description and Maintenance) for Antenna-Transceiver Group, OY-72 (V)/TPQ-37(V) (Trailer) . . . and Generator-Power Distribution Group, OA-9018/TPQ-37(V) . . . Used w/Radar Set, AN/TPQ-37(V). 31 December 1981
TM 11-5840-355-30-2	Direct Support Maintenance Manual (Schematics and Wire Lists) for Antenna-Transceiver Group, OY-72 (V)/TPQ-37(V) (Trailer) . . . and Generator Power Distribution Group, OA-9018/TPQ-37(V) . . . Used With Radar Set, AN/TPQ-37(V). 31 December 1981

TM 11-5840-355-30-3 (C) Direct Support Maintenance Manual for Radar Set, AN/TPQ-37(V)
(U) 30 December 1981

TM 11-5840-355-30-4 Direct Support Maintenance Manual (Extended Troubleshooting) for
Antenna-Transceiver Group OY-72 (V)1/TPQ-37(V) . . . and OY-
72(V)2/TPQ-37(V) . . . Used With Radar Set AN/TPQ-37(V). 15 August
1989

TM 11-5840-355-34P Direct Support and General Support Maintenance Repair Parts and
Special Tools List (Including Depot Maintenance Repair Parts and
Special Tools) for Radar Set AN/TPQ-37 (V)5 . . . Radar Set AN/TPQ-
37(V)6 . . . and Generator Power Distribution 1 November 1988

TM 11-5840-364-20 Organizational Maintenance Manual (Removal and Installation
Procedures) for Operations Control Group, (Shelters) OK-398 (V)1/TPQ .
. . . and OK-398(V)2/TPQ . . . Used With Radar Sets AN/TPQ-36(V) and
AN/TPQ-37(V). 1 June 1993

TM 11-5840-364-20P Organizational Maintenance Repair Parts and Special Tools List for OK-
398 (V)1/TPQ(V) Operator's Control Group (NSN 5840-01-085-1606) and
OK-398(V)2/TPQ Operator's Control Group (5840-01-229-1198)
Common Name "Shelter" Parts of AN/TPQ-36... 1 March 1987

TM 11-5840-364-30-1 Direct Support Maintenance Manual (Functional Description and
Maintenance) for Operations Control Group, (Shelter) OK-398 (V)1/TPQ .
. . . OK-398(V)2/TPQ . . . Used w/Radar Sets AN/TPQ-36(V) and AN/TPQ-
37(V). 17 November 1981

TM 11-5840-364-30-3 Direct Support Maintenance Manual (Extended Troubleshooting) for
Operations Control Group (Shelter) OK-398 (V)1/TPQ . . . and OK-
398(V)2/TPQ . . . Used With Radar Sets AN/TPQ-36(V) and AN/TPQ-
37(V). 15 August 1989

TM 11-5840-364-34P Direct Support and General Support Maintenance Repair Parts and
Special Tools Lists (Including Depot Maintenance Repair Parts and
Special Tools) for Operations Control Group OK-398 (V)1/TPQ . . . and
OK-398(V)2/TPQ Operations Control Group . 1 March 1987

TM 11-5840-378-10 Operator's Manual for Radar Sets AN/TPQ-36 (V)3 (NSN 5840-01-185-
4244) (EIC:N/A) and AN/TPQ-36(V)5 (5840-01-229-1276) (EIC:IYE)
(Reprinted w/basic INCL C1) 1 July 2000

TM 11-5840-378-20&P Unit Maintenance Manual (Functional Description and Maintenance)
(Including Repair Parts and Special Tools List) for Radar Sets AN/TPQ-
36(V)3 (NSN 5840-01-185-4244) (EIC: N/A) and AN/TPQ-36(V)5 (5840-
01-229-1276) (EIC:IYE) 1 June 1993

TM 11-5840-380-10 Operator's Manual for Radar Set AN/TPQ-36 (V)8, (NSN 5840-01-390-
0529) (EIC:Q68) 1 February 2000

TM 11-5840-380-23-1 Unit and Direct Support Maintenance Manual (Functional Description and
Maintenance Instructions) for Radar Set AN/TPQ-36 (V)8 (NSN 5840-01-
390-0529) (EIC:Q68) 1 February 2000

TM 11-5895-1047-10 Operator's Manual for Platoon Early Warning Systems AN/TRS-2 (V)1 . .
. . AN/TRS-2(V)2 . . . AN/TRS-2(V)3 . . . AN/TRS-2(V)4 . . . AN/TRS-2(V)5
. . . and AN/TRS-2(V)6. . . . 30 June 1980. 20 June 1980

TM 11-5895-1047-10-HR Hand Receipt Manual Covering Contents of Components of End Item
(COEI), Basic Issue Items (BI), and Additional Authorization List (AAL)
for Platoon Early Warning System AN/TRS-2 (V)1 (NSN 5895-01-063-
8103), AN/TRS-2(V)2 (5895-01-073-9032), 20 July 1981

TM 11-5895-1047-23 Organizational and Direct Support Maintenance Manual for Platoon Early
Warning System, AN/TRS-2 (V)1 . . . AN/TRS-2(V)2 . . . AN/TRS-2(V)3 .
. . AN/TRS-2(V)4 . . . AN/TRS-2(V)5 . . . and AN/TRS-2(V)6. . . . 8
September 1980. 8 September 1980

STP 9-35M13-SM-TG

TM 11-5895-1047-23P Organizational and Direct Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) for Platoon Early Warning Systems AN/TRS-2 (V)1 . . . AN/TRS-2(V)2 . . . AN/TRS-2(V)3 . . . AN/TR 1 August 1987

TM 11-6350-219-13 Remotely Monitored Battlefield Sensor System REMBASS System Manual. 15 December 1987.

TM 11-6660-283-13 Operator's, Unit and Direct Support Maintenance Manual, Meteorological Data System AN/TMQ-41 1 September 1995

TM 38-L09-11 Functional Users Manual for Maintenance Reporting and Management (MRM)(S&I CDR, USALOGC, ATTN: ATCL-SP, FT LEE, VA 23801-6000) 4 February 1985

TM 9-1290-359-14&P Operator's, Unit, Direct Support and General Support Maintenance Manual Including Repair Parts and Special Tools List (Including DEPOT Maintenance Repair Parts) for M90 Radar Chronograph (NSN 1290-01-073-0764) (EIC:3TB) (TM 08221A-14&P) 8 December 1993

TM 9-1290-364-14&P Operator's, Unit, Direct Support, and General Support Maintenance Manual Including Repair Parts and Special Tools List Through Depot Level for Conventional Muzzle Velocity System M94 Part NO: 12950994 (NSN 1290-01-412-5760) (TM 09814A-14&P) 10 December 1996

TM 9-1430-741-10 Operator's Manual for SENTINEL, AN/MPQ-64, (NSN 1430-01-420-8077) (This Item is Included on EM 0096) 1 June 2000

TM 9-1430-741-24&P Organizational, Direct Support and General Support Maintenance and Repair Parts and Special Tools List (RPSTL) for SENTINEL, AN/MPQ-64, (NSN 1430-01-420-8077) (This Item is Included on EM 0096) 1 June 2000

Training Circulars

TC 43-4 Commander's and Shop Officer's Guide for Support Maintenance Management 8 May 1996

Related Publications

Related publications are sources of additional information. They are not required in order to understand this publication.

Army Regulations

AR 200-1 Environmental Protection and Enhancement (This Item is Included on EM 0001) 21 February 1997

AR 385-40 Accident Reporting and Records (This Item is Included on EM 0001) 1 November 1994

AR 5-12 Army Management of the Electromagnetic Spectrum 1 October 1997

AR 702-7 Product Quality Deficiency Report Program [DLAR 4155.24; Secnavinst 4855.5A; AFR 74.6] (This Item is Included on EM 0001) 20 July 1993

AR 702-7-1 Reporting of Product Quality Deficiencies Within the US Army (This Item is Included on EM 0001) 15 August 1980

Department of Army Forms

DA FORM 2404 Equipment Inspection and Maintenance Worksheet (This Item is Included on EM 0001) 1 April 1979

DA FORM 2407 Maintenance Request 1 July 1994

Department of Army Pamphlets

DA PAM 200-1 Handbook for Environmental Impact Analysis (GPO SN: 0820-00551-7) (This Item is Included on EM 0001) 1 April 1975

DA PAM 25-380-2 (O) Security Procedures for Controlled Cryptographic Items 10 January 1991

DA PAM 738-750 Functional Users Manual for The Army Maintenance Management System (TAMMS) (This Item is Included on EM 0001) 1 August 1994

DA PAM 738-751 Functional Users Manual for the Army Maintenance Management System-Aviation (TAMMS-A) (This Item is Included on EM 0001) 15 March 1999

DA PAM 750-1 Leader's Unit Level Maintenance Handbook (This Item is Included on EM 0001) 15 February 1994

Field Manuals

FM 24-33 Communications Techniques: Electronic Counter-Countermeasures 17 July 1990

FM 3-04.500 Army Aviation Maintenance 26 September 2000

FM 3-25.26 Map Reading and Land Navigation 20 July 2001

FM 34-60 Counterintelligence 3 October 1995

FM 4-30.3 Maintenance Operations and Procedures 1 September 2000

Lubrication Orders

LO 11-5840-354-20 Radar Sets, AN/TPQ-36 (V) 1 (NSN 5840-01-043-4257) AN/TPQ-36 (V) 3 (5840-01-185-4244) and AN/TPQ-36 (V) 5 (5840-01-229-1276) 15 July 1987

LO 11-5840-355-20 Radar Sets, AN/TPQ-37 (V) 5 (NSN 5840-01-270-5101) (EIC:IYG) and AN/TPQ-37 (V) 6 (5840-01-270-5100) (EIC:IYF) 15 May 1992

Other Product Types

EM 0096 TM 9-1430-SENTINEL, Technical Manuals for SENTINEL AN/MPQ-64 (Current as of 01 JUN 00) (This Product Includes the Following Items) TB 9-1430-741-20-1 (000601) TB 9-1430-741-10 (000601) TM 9-1430-741-24&P (000601) TM 9-1430-741-BD (000601) 1 October 2000

ERPSL 11-5840-363-24P Essential Repair Parts Stockage List (ERPSL) and Recommended Support Items List (RSL) to Support Fire-finder Radar Sets: AN/TPQ-36 (V) Mortar Locating Radar and AN/TPQ-37 (V) Artillery Locating Radar 30 May 1997

SC 5180-92-G03 Sets, Kits, and Outfits for RADAR Set, AN/MPQ-64, Sentinel (LIN T37867) (NSN 5180-01-443-1164) (EIC: N/A) (This Item is Included on EM 0074) 1 September 2000

Soldier Training Publications

STP 21-1-SMCT Soldier's Manual of Common Tasks Skill Level 1, 01 October 1994

STP 21-24-SMCT Soldier's Manual of Common Tasks (SMCT) Skill Level 2-4, 01 October 1992

Technical Bulletins

TB 11-5820-890-20-107 Installation Instructions for Installation Kit, Electronic Equipment, MK-2582/VRC (NSN 5895-01-431-3287) (EIC: N/A) to Permit Installation of Radio Set AN/VRC-87/88/89 Series in an Integrated Meteorological System (IMETS) AN/TMQ-41, 01 September 1999

STP 9-35M13-SM-TG

- TB 11-5820-890-20-89 Installation Instructions for Installation Kit, Electronic Equipment, MK-2790/VRC (NSN 5895-01-416-2885) (EIC: N/A) to Permit Installation of Radio Set AN/VRC-92 Series in a Meteorological Measuring Set (MMS) AN/TMQ-41, 01 September 1999
- TB 11-6660-283-25 Warranty Program for Meteorological Measuring Set AN/TMQ-41 (NSN 6660-01-386-3906) (EIC: N/A) 1 February 1996
- TB 43-0129 Safety Requirements for Use of Antenna and Mast Equipment (This Item is Included on EM 0161) 15 June 1986

Technical Manuals

- TM 11-5840-354-10 Operator's Manual for Radar Set AN/TPQ-36 (V) 3 . . . and AN/TPQ-36 (V) 5 15 May 1992
- TM 11-5840-354-10-HR Hand Receipt Manual Covering Content of Components of End Item (COEI), Basic Issue Item and Additional Authorization Lists for Radar Set, AN/TPQ-36 (NSN 5840-01-043-4257) 10 March 1981
- TM 11-5840-354-20 Unit Maintenance Manual (Antenna/Transceiver Removal and Installation Procedures) for Radar Sets AN/TPQ-36 (V) 3 (NSN 5840-01-185-4244) (EIC: N/A) and AN/TPQ-36 (V) 5 (5840-01-229-1276) (EIC: IYE) 1 June 1993
- TM 11-5840-354-20-1 Organizational Maintenance Manual (Functional Description and Maintenance) for Radar Sets AN/TPQ-36 (V) 1 . . . AN/TPQ-36 (V) 3 . . . and AN/TPQ-36 (V) 5 30 June 1983
- TM 11-5840-354-20P Organizational Maintenance Repair Parts and Special Tools Lists for AN/TPQ-36 (V) 1 Radar Set (US Version, 64K Memory)...and AN/TPQ-36 (V) 3 Radar Set (FMS Version, 64K Memory) and AN/TPQ-36 (V) 5 Radar Set (US Version, 128K Memory) 1 March 1987
- TM 11-5840-354-30-1 Direct Support Maintenance Manual (Functional Description and Maintenance) for Antenna-Transceiver Group, OY-71 (V)/TPQ-36 (Trailer) . . . Used w/Radar Set, AN/TPQ-36 1 June 1993
- TM 11-5840-354-30-2 Direct Support Maintenance Manual Schematics and Wire Lists for Antenna-Transceiver Group, OY-71 (V) 1/TPQ-36/(V) (Trailer) . . . Used with Radar Set, AN/TPQ-36 (V). 22 June 1981. 1 June 1993
- TM 11-5840-354-30-3 Direct Support Maintenance Manual (Extended Troubleshooting) for Antenna-Transceiver Group (Trailer) OY-71/TPQ-36 (V) (NSN 5840-01-084-5293) (EIC: N/A) used with Radar Set AN/TPQ-36 (V) 15 May 1992
- TM 11-5840-354-34P Direct Support and General Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) for AN/TPQ-36 (V) 1 Radar Set . . . and AN/TPQ-36 (V) 3 Radar Set . . . and AN/TPQ-36 (V) 5 Radar Set 1 March 1987
- TM 11-5840-355-10-1 Operator's Manual for Radar Set, AN/TPQ-37 (V) 1 . . . and AN/TPQ-37 (V) 2 . . . AN/TPQ-37 (V) 5 . . . and AN/TPQ-37 (V) 6. 20 July 1981
- TM 11-5840-355-10-2 (C) Radar Set, AN/TPQ-37 (V) 29 May 1981
- TM 11-5840-355-10-3 Operator's Manual for (Camouflage Procedures) Radar Sets AN/TPQ-37 (V) 1 (NSN 5840-01-043-4258) AN/TPQ-37 (V) 2 (5840-01-084-5374) AN/TPQ-37 (V) 4 (5840-01-185-4243) AN/TPQ-37 (V) 5 (5840-01-270-5101) AND AN/TPQ-37 (V) 6 (5840-01-270-5100) 1 April 1989
- TM 11-5840-355-10-HR Hand Receipt Covering Content of Components of End Item (CEOI), Basic Issue Items (BII), and Additional Authorization List (AAL) for Radar Set AN/TPQ-37 (V) (NSN 5840-01-043-4258) 1 July 1981
- TM 11-5840-355-20-1 Organizational Maintenance Manual (Functional Description and Maintenance) for Radar Sets, AN/TPQ-37 (V) 1 . . . AN/TPQ-37 (V) 2 . . . AN/TPQ-37 (V) 5 and AN/TPQ-37 (V) 6. 1 October 1981

TM 11-5840-355-20-2 Organizational Maintenance Manual (Antenna Removal and Installation Procedures) for Radar Set, AN/TPQ-37 (V) 1 . . . AN/TPQ-37 (V) 2 . . . and AN/TPQ-37 (V) 6. 1 October 1981

TM 11-5840-355-20-3 Organizational Maintenance Manual (Transceiver Removal and Installation Procedures) Radar Sets AN/TPQ-37 (V) 1 . . . AN/TPQ-37 (V) 2 . . . AN/TPQ-37 (V) 5 . . . and AN/TPQ-37 (V) 6. 1 October 1981

TM 11-5840-355-20P Organizational Maintenance Repair Parts and Special Tools List for Radar Set AN/TPQ-37 (V) 5...AN/TPQ-37 (V) 6...and Generator-Power Distribution Group OA-9018/TPQ-37 (V) (5840-01-086-4727) 1 April 2001

TM 11-5840-355-30-1 Direct Support Maintenance Manual (Functional Description and Maintenance) for Antenna-Transceiver Group, OY-72 (V)/TPQ-37 (V) (Trailer) . . . and Generator-Power Distribution Group, OA-9018/TPQ-37 (V) . . . Used w/Radar Set, AN/TPQ-37 (V). 31 December 1981

TM 11-5840-355-30-2 Direct Support Maintenance Manual (Schematics and Wire Lists) for Antenna-Transceiver Group, OY-72 (V)/TPQ-37 (V) (Trailer) . . . and Generator Power Distribution Group, OA-9018/TPQ-37 (V) . . . Used With Radar Set, AN/TPQ-37 (V). 31 December 1981

TM 11-5840-355-30-3 (C) Direct Support Maintenance Manual for Radar Set, AN/TPQ-37 (V) (U) 30 December 1981

TM 11-5840-355-30-4 Direct Support Maintenance Manual (Extended Troubleshooting) for Antenna-Transceiver Group OY-72 (V) 1/TPQ-37 (V) . . . and OY-72 (V) 2/TPQ-37 (V) . . . Used With Radar Set AN/TPQ-37 (V). 15 August 1989

TM 11-5840-355-34P Direct Support and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Radar Set AN/TPQ-37 (V) 5 . . . Radar Set AN/TPQ-37 (V) 6 . . . and Generator Power Distribution 1 November 1988

TM 11-5840-363-40 General Support Maintenance Manual (Card Test and Repair) for Radar Set, AN/TPQ-36 (NSN 5840-01-043-4257) And AN/TPQ-37 (V) (5840-01-043-4258) (Reprinted w/basic INCL C1) 24 August 1982

TM 11-5840-364-20 Organizational Maintenance Manual (Removal and Installation Procedures) for Operations Control Group, (Shelters) OK-398 (V) 1/TPQ . . . and OK-398 (V) 2/TPQ . . . Used With Radar Sets AN/TPQ-36 (V) and AN/TPQ-37 (V). 1 June 1993

TM 11-5840-364-20P Organizational Maintenance Repair Parts and Special Tools List for OK-398 (V) 1/TPQ (V) Operator's Control Group (NSN 5840-01-085-1606) and OK-398 (V) 2/TPQ Operator's Control Group (5840-01-229-1198) Common Name "Shelter" Parts of AN/TPQ-36... 1 March 1987

TM 11-5840-364-30-1 Direct Support Maintenance Manual (Functional Description and Maintenance) for Operations Control Group, (Shelter) OK-398 (V) 1/TPQ . . . OK-398 (V) 2/TPQ . . . Used w/Radar Sets AN/TPQ-36 (V) and AN/TPQ-37 (V). 17 November 1981

TM 11-5840-364-30-3 Direct Support Maintenance Manual (Extended Troubleshooting) for Operations Control Group (Shelter) OK-398 (V) 1/TPQ . . . and OK-398 (V) 2/TPQ . . . Used With Radar Sets AN/TPQ-36 (V) and AN/TPQ-37 (V). 15 August 1989

TM 11-5840-364-34P Direct Support and General Support Maintenance Repair Parts and Special Tools Lists (Including Depot Maintenance Repair Parts and Special Tools) for Operations Control Group OK-398 (V) 1/TPQ . . . and OK-398 (V) 2/TPQ Operations Control Group. 1 March 1987

TM 11-5840-380-23-2 Unit and Direct Support Maintenance Manual (Extended Troubleshooting and Wiring Lists) for Radar Set AN/TPQ-36 (V) 8 (NSN 5840-01-390-0529) (EIC: Q68) 1 February 2000

STP 9-35M13-SM-TG

TM 11-5840-380-23P Unit and Direct Support Repair Parts and Special Tools List for OK-398 (V) 5/TPQ Operations Central (NSN 5895-01-390-0524)(EIC: N/A) and Equipment Trailer Group (NSN N/A)(EIC: N/A) for AN/TPQ-36 (V) 8 Radar Set (NSN 5840-01-390-0529) (EIC: Q68) 1 February 2000

TM 11-5895-1047-10-HR Hand Receipt Manual Covering Contents of Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) for Platoon Early Warning System AN/TRS-2 (V) 1 (NSN 5895-01-063-8103), AN/TRS-2 (V) 2 (5895-01-073-9032), 20 July 1981

TM 11-6350-220-30 Direct Support Maintenance Manual Sensor, Anti-Intrusion DT-561/GSQ . . . DT-562/GSQ . . . DT-565/GSQ . . . 15 December 1987.

TM 11-6350-288-30 Direct Support Maintenance Manual for Programmer, Code C-10434/GSQ . . . 15 December 1987.

TM 3-4240-325-20&P Unit Maintenance Manual (Including RPSTL) for Filter Unit, Gas-Particulate: 100 CFM, 120 V, 50, 60, and 400 HZ, M93 (NSN 4240-01-231-6515) (This Item is Included on EM 0045) 1 September 1991

TM 38-L09-11 Functional Users Manual for Maintenance Reporting and Management (MRM)(S&I CDR, USALOGC, ATTN: ATCL-SP, FT LEE, VA 23801-6000) 4 February 1985

TM 750-245-4 Direct Support and General Support for Quality Control Inspector's Inspection Criteria (This Item is Included on EM 0178) 25 January 1971

TM 9-1430-741-10-HR Hand Receipt Covering Contents of Components of End Items (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) for SENTINEL, AN/MPQ-64, (NSN 1430-01-420-8077) (EIC: NDA) 28 August 2000

TM 9-1430-741-BD Battlefield Damage Assessment and Repair for SENTINEL, AN/MPQ-64, (NSN 1430-01-420-8077) (This Item is Included on EM 0069) 1 June 2000

Training Circulars

TC 3-34.489 The Soldier and the Environment, 08 May 2001

STP 9-35M13-SM-TG
23 DECEMBER 2002

By Order of the Secretary of the Army:

ERIC K. SHINSEKI
General, United States Army
Chief of Staff

Official:



JOEL B. HUDSON
Administrative Assistant to the
Secretary of the Army
0302321

DISTRIBUTION:

Active Army, US Army Reserve, and Army National Guard: To be distributed in accordance with initial distribution number 115881, requirements for STP 9-35M13-SM-TG.

PIN: 080609-000